

AMERICAN ARTISAN

THIS ISSUE IS IN TWO PARTS — PART 2

JULY 1961

- Warm Air Heating • Sheet Metal Contracting
- Air Conditioning • Ventilation and Dust Removal

AMERICAN ARTISAN'S

Trade Literature Supplement

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Catalogs, bulletins, and other helpful data available to you from advertisers in American Artisan are briefly described in this supplement. Each description is numbered. Just circle the numbers for those you want on the handy postage-paid card on pages 2-35 and 2-36. Your requests will be passed along to the manufacturers whose literature you ask for.

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Note that each of the items describing a catalog, bulletin or other piece of trade literature in this supplement has its own title for your convenience in finding material on the subjects you want. In addition, the listings are grouped under general headings, which headings are indexed on the front cover of this trade literature supplement to American Artisan.

Each individual item appears under the heading that applies to its main content. However, many of the catalogs and bulletins are devoted to more than one subject, so that you may find the listing you want under any one of several of the main headings.

It is therefore suggested that you look over all the individual items, circling the numbers for those you want on the reply card on page 2-35.

Air Conditioning, Heating & Cooling

1 Air Conditioner and Heat Pump

Catalog sheet covers 2.5 ton air conditioner and heat pump made to meet extreme of western and southwestern climates. Cabinets are compact, constructed of heavy gage steel, baked enamel finish. Tested under ARI specified conditions. Features, specifications, dimensions, performance data.—Wright-Temp Mfg. Co.

2 Air Conditioners

Twelve page brochure presents "Twinline" two system air conditioner, takes this remote system model apart, feature by feature. Stresses benefits, features, basic specifications.—York Corp., Subsidiary of Borg-Warner Corp.

3 Air Conditioners and Heat Pumps

Condensed full-line catalogs illustrate features, give specifications and installation applications of heat pumps and air conditioners. Available coils, auxiliary air handlers, and other accessories shown. Each available in remote or "tuck-away" models from 2 through 5 hp capacities.—Perfection Div., Hupp Corp.

4 Air Cooled Condensing Units

Eight page catalog gives detailed information on "Polar-Prince" air cooled condensing units and cooling coil assemblies for remote type air conditioning. Form A-764F includes application drawings and equipment selection tables.—The Coleman Co., Inc.

5 Air Cooled Packaged Units

Four page folder LL-484 on "all-in-one" air cooled units describes installation versatility for attics, crawl spaces, roof tops and through-the-wall. Specifications and features outlined.—Airtemp Div. of Chrysler Corp.

6 Air Coolers and Air Conditioners

General catalog features specification sheets on a line of equipment for residential, commercial and industrial cooling and air conditioning.—Gaffers & Sattler.

7 Central Air Conditioning

Literature describes "Coolerator" central air conditioning four point program which provides "bonus profits" on sales. 1) Every unit rigorously tested; 2) exclusive features include "Lectro-filter," "Permalife" finish; 3) direct from factory purchasing; 4) protected territories. Details in descriptive literature.—Albion Div., McGraw-Edison Co.

8 Central Station Air Conditioning

Central station draw-through "Multitherm" air conditioning units, in both horizontal and vertical

arrangements, are covered in 40 page catalog 1309. Capacity tables, selection guides, coil data, dimensions, and sample problems included. Sprayed coil as well as general purpose units described.—Clarage Fan Co.

9 Certified Air Conditioners

Directory of Certified Unitary Air Conditioners lists all models of over 50 unitary equipment manufacturers who cooperate in ARI's unitary air conditioner certification program, with ratings in Btu per hr. Also describes program.—Air-Conditioning & Refrigeration Institute.

10 Combination Heating-Cooling Units

Selection of sizes and styles for commercial heating and cooling installations shown in new catalog. Gas, oil or combination gas and oil available. Packaged units adaptable to floor, ceiling or roof mounting. Specifications to simplify proper selection of equipment included.—Tjernlund Mfg. Co.

11 Commercial Air Conditioning

Air cooled and water cooled air conditioning equipment for commercial applications outlined in six page folder LL-482, Applications, specifications and performance features are detailed on equipment suitable for one man dental clinics up to 40 story buildings.—Airtemp Div. of Chrysler Corp.

12 Commercial Air Conditioning

DS-362 is a 28 page catalog on commercial self-contained "Climate Changers." Deluxe units for in-the-room or remote installation; commercial units for remote location; evaporative condensers; water and air cooled condensers.—The Trane Company.

13 Gas Air Conditioning Units

Two folders (for residential and commercial applications) on Arkla-Servel "Sun Valley" gas air conditioning units show application, design and sales features. Specification sheets on intermediate capacity and modified units from 3½ to 6½ tons will be available later. Specifications on 4.3 ton and downflow 3½ ton available now.—Arkla Air Conditioning Corp.

14 Gas Furnace for Heating, Air Conditioning

Four page specification sheet on "FlexAire" gas furnace with blower that adjusts itself for heating and cooling automatically to provide year round performance. Explains how it provides proper air flow for both air conditioning and heating.—Fedders Corp.

15 Gas Water Chiller-Heater

New four page brochure presents design and application features, specifications on model DF-

3000 direct gas fired absorption (25 ton) water chiller-heater. Also available are application data booklets, including wiring and piping diagrams.—Arkla Air Conditioning Corp.

16 Heating and Air Conditioning

Eight page folder LL-352-09 lists line of commercial and residential heating and air conditioning products. Included are pictures and specifications on room air conditioners and packaged products up to 35 tons.—Airtemp Div. of Chrysler Corp.

17 Heating and Air Conditioning

"A Design for Year 'Round Comfort" is a new brochure showing 1961 line of heating and air conditioning equipment. All units briefly described and capacities of each model shown.—Southwest Mfg. Co.

18 Heating and Cooling Catalog

Heating-cooling dealer catalog describes gas and oil fired lo-boys, hi-boys, counterflows, suspended units, gravity furnaces; 2, 3, 4 and 5 ton cooling units, air cooled remote compressor units, vertical and horizontal air handling units, commercial or store units for remote systems.—International Heater Co.

19 Heating and Cooling Dealerships

"Missing a Good Deal from Your Dealership?" is an 8 page folder listing dealer benefits of handling manufacturer's equipment. Opens up to wall poster showing line of oil, gas and electric furnaces; conversion burners; air cooled cooling units; and heat pump equipment.—International Heater Co.

20 Heating and Cooling Equipment

Catalog AC-782 shows specifications, dimensions and roughing in diagrams for gas and oil fired basement, utility, counterflow and horizontal furnaces; air cooled package and split system air conditioners; CAC units; package and split system heat pumps; gravity furnaces; conversion burners.—American Radiator & Standard Sanitary Corp., Air Conditioning Div.

21 Heating and Cooling Equipment

New booklet CEN-1000 presents full line of heating and cooling products together with a description of the advertising and sales promotion program available to customers. Explains how equipment simplifies correct installation and why it remains problem-free during use.—Century Engineering Corp.

22 Heating and Cooling Equipment

Sixteen page catalog shows full line of heating and air conditioning equipment, with specifications. Gas fired and electric forced air furnaces in up-flow, down-flow and horizontal units. Self-contained and split system air conditioning units and heat pumps in sizes from 2 through 10 tons.—Southwest Mfg. Co.

Nearly 500 descriptions of catalogs, bulletins and other data available to you without obligation on request are described in these pages.

23 Heating-Cooling Sales Promotion

Twelve page booklet by manufacturer's sales manager outlines company philosophies and policies on product design, dealer and distributor relationships, sales policies, advertising and sales promotion assistance, tips to distributors and dealers. Also reviews product line.—Perfection Div., Hupp Corp.

24 Heat Pump Air Conditioner

Eight page specification sheet details the "Adaptomatic" heat pump air conditioner with "Heat-Selective." Describes how this year 'round unit takes advantage of supplementary heat available. Explains economies of operation, installation.—Fedders Corp.

25 Heat Pumps

Sixteen page catalog DS-368A describes residential "Climate Changer" all electric air-to-air heat pumps.—The Trane Co.

26 High Velocity Induction Unit

Twelve page brochure 36R-80 describes high velocity induction unit 36R bypass "Weather-master," which features self-contained automatic air bypass control. New control replaces external pneumatic control systems and water valves.—Carrier Air Conditioning Co., A Div. of Carrier Corp.

27 Home Air Conditioner

New "Coolerator" 2 hp remote air conditioner has over-sized components to deliver full 24,000 Btu capacity. Available with vertical "A" coil or blower coil for installation flexibility. Also available in heat pump.—Albion Div., McGraw-Edison Co.

28 Home Central Air Conditioning

Four page specification sheet gives information and capacities for new central air conditioning line, including condensing units, cooling coils, coil blower units and self-contained cooling units. Typical installation diagrams and data on condenser and evaporator units included.—Delco Appliance Div., General Motors Corp.

29 Home Heating and Cooling

Sixteen page booklet describes consumer benefits from year 'round heating and cooling. Explains central air conditioning, how cool a home should be, estimates cooling costs. Describes line for every type and size of home.—Delco Appliance Div., General Motors Corp.

30 How to Buy Central Air Conditioning

Booklet describes some of the factors to be considered in purchasing central residential air conditioning. Describes ARI's air conditioner certification program.—Air-Conditioning & Refrigeration Institute.

31 Load Calculating Manual

New "Comfort Guide" manual tells how the 50-sheet load calculation pad and 25-sheet psy-

chrometric chart pad simplify commercial and industrial summer and winter load calculating. Only one chart needed to compute cooling factor for a particular glass, shading and latitude.—Arkla Air Conditioning Corp.

32 Package Air Conditioners

Catalog sheet provides specifications, describes special features of 7.5 ton air conditioner. Self-contained, ready to install; no refrigeration lines to run. Positive defrost system and change-over, automatic thermostat.—Wright-Temp Mfg. Co.

33 Refrigerated Air Conditioning

Ten ton series air conditioner described in catalog sheet. For residential, commercial or industrial applications and adaptable to present duct systems. Protects against high head pressures, assures full capacity under extreme conditions.—Wright-Temp Mfg. Co.

34 Remote Air Conditioning

Four page specification sheet explains in detail "Champion" single system remote air conditioning for residences. Stresses application information, plus product features and basic specifications.—York Corp., Sub. of Borg-Warner Corp.

35 Remote Air Conditioning System

Six page specification sheet describes "Flex-Hermetic" unified remote central air conditioning system. Explains how this factory charged, sealed and tested remote system gives low installed cost.—Fedders Corp.

36 Remote Compressor Installations

Bulletin 75-10 describes "Comfort-Aire" commercial air conditioners in 7½ and 10 hp sizes with special features allowing remote installation of compressor section.—Heat Controller, Inc.

37 Remote Heat Pumps

Bulletin RH16-1 describes "Comfort-Aire" remote heat pumps in 3 and 5 hp sizes. Covers matching inside and outside sections; gives information on matching supplementary electric air duct heaters.—Heat Controller, Inc.

38 Remote Home Air Conditioners

Bulletin AC16-1 describes new "Comfort-Aire" remote air conditioners in 2 to 7½ hp sizes for residential use. Covers product information on matching low side coils also.—Heat Controller, Inc.

39 Residential Air Conditioner

Four page specification sheet explains the "Pathfinder" fully packaged residential air conditioner. Gives product's benefits and features. Specifications provided.—York Corp., Subsidiary of Borg-Warner Corp.

40 Residential Air Conditioning

Thirty-two page catalog DS-363 covers line of residential gas or oil fired "Climate Changers"

This trade literature supplement to American Artisan describes catalogs, bulletins, and other data available, without obligation, to readers on request.

Each month, regular editorial departments in American Artisan are devoted to Equipment Developments and to New Literature announced by all manufacturers serving the field of warm air heating, air conditioning, sheet metal contracting, ventilation and dust removal.

in up-flow, down-flow and horizontal units. Ready-to-install cooling units—bonnet, down-flow, duct and fan.—The Trane Co.

41 Residential Central Air Conditioning

"Coolerator" line of residential central air conditioning equipment described. Split systems available in 2, 3, 4 and 5 hp. Self-contained models available. Details on "bonus profit plan" offered.—Albion Div., McGraw-Edison Co.

42 Residential, Commercial Air Conditioning

Application descriptions for many styles of air conditioning units. Descriptions of component parts included.—The Williamson Co.

43 Roof Heating and Cooling Unit

Four page catalog 48B1 describes versatile 48B commercial "Weathermaker," a heating and cooling unit designed for roof installation on one story buildings. Completely self-contained. Consists of air cooled refrigeration section, gas fired heating unit, and fan section.—Carrier Air Conditioning Co., A Div. of Carrier Corp.

44 Roof-Top Heating, Air Conditioning

Specifications of units described in roof-top heating and air conditioning file. Specification insert copy and detailed installation drawings included.—Janitrol Heating & Air Conditioning, A Div. of Midland-Ross Corp.

45 Self-Contained Air Conditioners

New catalog 334 describes installation features of the 2 and 3 ton "Luxaire" self-contained air conditioners. Specifications and dimensions included. Printed supplement shows ARI certification and ratings.—The C. A. Olsen Mfg. Co.

46 Split System Air Conditioners

New catalog 340 covers 2, 3, 4 and 5 ton "Luxaire" air cooled split system air conditioners. Specifications, dimensions and ratings included. Printed supplement shows ARI certification and ratings.—The C. A. Olsen Mfg. Co.

47 Split System Air Conditioning

Brochure AC-820 presents facts on split system air cooled summer air conditioning units. Shows cutaways and assembled views of units plus up-flow, downflow, horizontal, and blower equipped evaporators.—American Radiator & Standard Sanitary Corp., Air Conditioning Div.

48 Split System Air Conditioning

Catalog 210 covers new "Moncrief" split system air conditioners. Includes specifications, dimensions and performance data. This six page catalog is supplemented with printed data showing ARI certification and ratings.—The Henry Furnace Co.

49 Split System Air Conditioning

Company's line of "Clima-Twin-Aire" capillary and expansion valve split system central air conditioning units from 2 to 5 tons described in form P-103AC and supplement P-104AC. Specifications, dimensions and operating capacities of condensing units plus evaporator coil specifications given.—Peerless Corp.

50 Split System Air Conditioning

A split system central air conditioner line is described and specifications and dimensions of

the five convenient sizes (22,000 Btu per hr through 82,000) are listed in form AC -16-1. For home, office and commercial building applications.—Silent Automatic Products.

51 Summer Air Conditioning

Self contained and remote models of cooling equipment range in size from 2 to 10 hp. Also, self contained and remote heat pumps.—The Meyer Furnace Company.

52 Waterless Condensing Units

New type 926 remote, waterless condensing unit in 3, 4 and 5 ton nominal sizes, designed for installation in remote air conditioning system. Provides horizontal air discharge, quiet operation. All controls, electrical and mechanical, and parts easily accessible from one side of unit.—Mueller Climatrol, Div. of Worthington.

53 Well Water Air Conditioning

Bulletin W-1 on equipment to use well water or cold city water under 70 F as direct cooling medium. Cuts initial cost by 40 percent, operating cost by 70 percent. Permits cooling with 100 percent fresh air if desired. For bowling alleys, restaurants, shopping centers, supermarkets, factories, motels, hospitals.—Hastings Air Control, Inc.

Air Filters, Air Cleaners & Air Purification

54 Air Filter

Engineering folder describes velocity, resistance and dust pick-up of "Dust-magnet" electrostatic air filter. Gives graphs and detailed explanations of electrostatic principles.—Stoddard Industries, Inc.

55 Air Filters

Completely washable in cold water, "Perma-Clean" filters need few cleanings with no re-coating necessary. Product filters through entire 1 in. thickness.—Buckeye Mfg., Inc.

56 Electronic Air Cleaner Sales Kit

Sales planning kit of instructional literature and sample sales aids for new residential air cleaner. Explains features of flexibility, efficiency, compact size, ease of installation and homeowner benefits.—Minneapolis-Honeywell Regulator Co.

57 Electronic Home Air Filter

New revised 8 page data book gives features and installation data on "Electro-Klean" electronic home air filter. Diagram of home interior shows how filter removes dirt-laden air and super-cleans it. Installation steps illustrated. Chart gives size range, cfm capacities.—American Air Filter Co.

58 Electronic Home Air Filter

New "Electro-Klean" book contains 8 pages of practical selling tips for dealer-contractors. Tells how to interest homeowners, what the electronic home air filter means in better air, more healthful living.—American Air Filter Co.

59 Electrostatic Air Filter

Electrostatic action provides economical, efficient method of continuous air filtration for home comfort and cleanliness. The "Dust-ban Deluxe" is a washable filter for furnaces and air conditioning systems. Rinses in cool water under a faucet or hose. Does not need oiling.—Skuttle Mfg. Co.

60 Grease Filter Design

Concise booklet discusses in detail the construction and installation of RP grease filters in kitchen exhaust systems and the problems involved.—Research Products Corp.

61 Home Air Purification

Consumer brochure, "Live Better . . . Feel Better," points up to homeowners advantages of "Electro-Klean" air filter in the new or remodeled home. Savings in home cleaning, better family health, improved furnace efficiency dis-

cussed as resulting from filter's removal of up to 90 percent of airborne dirt in the home.—American Air Filter Co.

62 Industrial Air Filters

Brochure describes light weight aluminum washable air filters specifically designed for industrial and commercial use. Information on pricing, capacities and available accessories included.—Research Products Corp.

63 Portable Air Purifiers

Portable air sterilizer, deodorizer and ionizer is designed to take care of a room 20x25 ft. Uses a 14-3/4 in. ultraviolet lamp. Germ killing intensity of lamp is high.—Sampson Chemical & Pigment Corp.

A dealer or contractor obviously can't find all the information he needs in catalogs, bulletins and manuals — but he can find a great deal of the information that he must have.

64 Sterilizing, Deodorizing, Ionizing Data

"Sun-Lite-Aire," sterilizing, deodorizing and ionizing unit comes complete with "Ionray" ultraviolet lamp, ballast and cord. Easily installed in return duct of warm air heating, cooling or ventilating system. Different sizes available.—Sampson Chemical & Pigment Corp.

65 Ultraviolet Lamps

High intensity cold cathode ultraviolet lamps are designed for use in ventilating ducts, fixtures and for direct radiation units for school rooms, hospital operating rooms, medical clinics, offices, factories and homes. Comes in different sizes for various types of applications.—Sampson Chemical & Pigment Corp.

66 Washable Air Filter

Descriptive literature on permanent, washable air filter. Design and use of polyurathane material allows householder to zip filter from frame, wash like a towel and replace. Germ inhibiting additive in every filter.—Auto-Flo Corp.

Bidding Opportunities

67 Construction News

For subcontractors interested in advance information on bidding opportunities, Dodge Reports issue information daily from district offices in 37

eastern states. Construction news is tailored to fit subcontractors' needs by type of building or project, location. Details in booklet "How Subcontractors Get More Work in New Construction."—F. W. Dodge Corp.

Burners, Fuel Burning & Draft Control

68 Barometric Draft Control

Twenty page handbook and installation guide for barometric draft control explains why draft must be controlled, where to install a draft control, selecting the right size, how to install, and use of instruments in setting a control. Detailed information on several controls included.—Field Control Div., Conco Engineering Works, Inc.

69 Combustion Chambers

New bulletin covers advantages of combustion chambers designed with fewer pieces for quick, easy installation in oil fired furnaces and boilers. Features include tongue and groove joints, recessed base, tapered burner tube hole. Available in sizes from 6/10 to 12 gph.—Grant Wilson, Inc.

70 Combustion Chamber Specifications

"Instant-Glo" combustion chamber specification sheet describes three styles of chambers suitable for different units. Shows gph capacity that dif-

ferent chambers are suitable for, inside and outside dimensions and height of chamber, together with shipping weight of each chamber. Emphasizes reasons for using insulating brick chamber.—Boston Machine Works Co.

71 Control of Draft

Specifications and information for architects, engineers and contractors covering industrial heating and processing equipment applications are given in 12 page bulletin.—Field Control Div., Conco Engineering Works, Inc.

72 Direct Spark Ignition System

Form GC-117 describes direct spark ignition system for gas fired systems. Can be used with all gases. No pilot or thermocouple. Proves main burner. Can be used in unit heaters, sealed combustion chamber equipment, clothes dryers.—Controls Co. of America.

• When sending your requests, please be sure to type or print your name and address clearly.

73 Draft Control

Series of engineering bulletins discusses and explains various methods of draft control in different applications. They cover such subjects as maintenance of high and low drafts, long breeching problems, incinerators, steam boilers, measuring heating efficiency. Diagrams, draft control tests, heat loss charts, control approval requirements included.—Field Control Div., Conco Engineering Works, Inc.

74 Draft Regulators

New single acting dual purpose draft control for solid fuels, double-swing for gas, is described.—Walker Mfg. & Sales Corp.

75 Fuel Oil Filter Installation

Sheet shows how to make quick and easy installations. Diagrammed, gives models, features filters and refills, provides specifications.—Purolator Products, Inc.

76 Fuel Oil Filters

Dealer catalog describes line of fuel oil filters for heating plants. Replaceable wool felt elements for "home size" models; washable wire mesh screen elements for heavy duty requirements.—General Filters, Inc.

77 Fuel Oil Filters

Sales piece for dealers tells why users of units can benefit by reduction in emergency service calls and better burner operation.—Purolator Products, Inc.

78 Fuel Unit Field Service Hints

Simplified field service for J and H fuel units is given in form 1317. Bulletin covers internal construction, principle of operation and helpful field service hints valuable for oil burner installation and service men.—Sundstrand Hydraulics Div. of Sundstrand Corp.

79 Fuel Unit Installation Data

Form 142 provides installation information for J and H fuel units. Includes instructions for one and two pipe installations, including line sizes and lengths.—Sundstrand Hydraulics Div. of Sundstrand Corp.

80 Gas and Oil Burners, Draft Inducers

Literature presents line of gas, oil and combination gas and oil burners. Exclusive integral draft feature combines induced and forced draft for control of both combustion air and over-the-fire draft with adjustable dampers. Literature also available on automatic draft inducers for smoke pipe installation.—Tjernlund Mfg. Co.

81 Gas Burners

New series L "Lo-Blast" power type gas burner embodies efficiency, safety and durability.

Forced injection of primary and secondary air provides control of combustion regardless of variable chimney drafts. No high chimney or induced draft fan required. Suitable for furnaces, boilers, air heaters, ovens. Capacities from 1 to 20 million Btu per hr.—Mid-Continent Metal Products Co.

82 Gas Conversion Burner, Furnaces

Folder contains information on economical "Freeman Burdett" infra-red gas conversion burner. Also available are brochures on new line of stoker fired coal, gravity, and forced air furnaces and stoker fired air space heaters.—Illinois Iron & Bolt Co.

83 Gas Pilot Lighting

New four page brochure provides technical data on lighter tube for outside pushbutton pilot lighting for gas fired appliances. Also describes "Carry-Over Tube" for sectional type gas burners. All tubes engineered by appliance manufacturer to fit the product.—Modern Lighters, Inc.

84 Gas Valve

Form GC-113A is on a low cost integrated gas valve for fast multiposition installation on gas fired heating equipment. Surface has all adjustments and pilot connections, natural or LPG, mechanical or two wire low voltage thermostat. Safe light, 100 percent shut off.—Controls Co. of America.

85 Gas Valves and Regulators

Q-T (silent) gas valves and valve and regulator combinations for use on gas fired heating units for home or commercial central heating or unit heating and for use with manufactured, natural, and liquid petroleum gases are covered in bulletins EP-230 and EP-229.—McQuay-Norris Mfg. Co.

86 Induction Units

Specifications for all induction units used for heating, venting, exhausting and material handling are given in data sheets. Flow factors indicated for oil, gas, coal and incinerators. Basic specifications in tabular form include sizes 6 to 30 in., recommended vertical installation, horizontal connections, dimensions of units, motor performance, blower diameter.—Quickdraft Corp.

87 Oil Burner Control

Bulletin R-1700 discusses new type burner mounted "Kwik-Sensor" primary oil burner control. New compact type 668 mounts on 4 x 4 junction box. Flame detector uses cadmium cell, reacts only to visible rays of oil flame. Advantages are covered.—White-Rodgers Co.

88 Oil Burner Filters

A cross reference chart, form IND-61-1, lists popular oil elements. Filtering element is made from resin-impregnated cellulose with controlled porosity that filters particles as small as 1 micron (39 millionths of an inch).—Purolator Products, Inc.

89 Oil Heating Pulsation Problems

"Pulsation and Compression Factors" is an engineering bulletin explaining the cause of pulsation. This bulletin has been produced for the heating man in the field faced with this problem, and is the result of two years of research on the subject.—Boston Machine Works Co.

90 Oil Heating Supplies

Catalog B sheet describes "BosMaco" line of oil heating supplies: "Boston-Apthorp" nozzles, chrome steel baffles, "Wigwam-Thermcaps" chimney top, "Clearview" oil tank gages, "Instant-Glo" insulating brick combustion chambers, draft stabilizer, "BosMaco Apthorp" nozzle kits, combustion heads, "Ideal" nozzle extractors.—Boston Machine Works Co.

91 Power Gas Burner

The "Economite" is a gun type horizontal inshot power gas burner for conversion of furnaces and boilers to gas. Independent of draft conditions, it is equally successful in firing downdraft units as well as standard heating plants. Capacities from 70,000 to 700,000 Btu per hr.—Mid-Continent Metal Products Co.

92 Round Power Burner

New series K "Lo-Blast" round power burner utilizes a cylindrical windbox and flange mounting. Reduces installation cost in scotch marine boilers, air heaters, ovens, etc. Usually no combustion chamber required. No high chimney or induced draft fan required. Capacities from 350,000 to 5,000,000 Btu per hr.—Mid-Continent Metal Products Co.

93 Saddle Mount Draft Inducers

New saddle mount described in literature simplifies industrial installations of draft inducers.—Walker Mfg. & Sales Corp.

94 Unitary Gas Valve

Covered in form GC-109 is a unitary gas valve with low line voltage wall thermostat. Can be used with all gases, has safe light, 100 percent shut off. Comes with flow interrupter, completely integrated. For gas fired equipment to 190,000 Btu per hr natural gas; left, right, or straight through gas connections.—Controls Co. of America.

• Be sure to type or print your name and address clearly when you request copies of these catalogs and bulletins.

Chimneys, Liners, Vent Pipe, Fittings & Fireplaces

95 All-Fuel Chimney

Bulletin DC-SB1 describes new light weight, all-metal, factory assembled chimney for use with any fuel—gas, liquid, or solid. "Dura-Chimney," a product weighing only 6 lb per ft, available in lengths up to 5 ft, is featured.—Dura-Vent Corp.

96 All-Fuel Chimney Line

Sheet CF-13 gives details of new "Air-Jet" all-fuel chimney line which incorporates a soot-proof, knocked-down housing with simplified assembly, available in flue sizes 6, 7 and 8 in. with brick or plain housing finishes in three basic sizes. Housings convertible for use with gas fuels.—General Products Co., Inc.

97 All-Metal Chimney Technical Data

Folder DCAB-1 provides application, selection, dimensional, and installation data on "Dura-Chimney," new light weight, factory assembled, all-metal chimney for furnaces burning solid, liquid or gas fuel.—Dura-Vent Corp.

98 Architect's Venting Data Sheet

CA-11 is an architect's sheet including descriptive details and dimensional data pertaining to the "Air-Jet" line of gas venting.—General Products Co., Inc.

99 Chimneys and Chimney Components

One-man, one-hour installation of all-fuel chimney for gas, oil, and solid fuels is described in 12 page brochure. Contains specifications for

line of chimney components; special section on assembly. Information on chimney applications in venting requirements included.—William Wallace Co., Metalbestos Div.

100 Chimney and Vent Caps

Chimney cap has stainless steel finish for longer service life. New line of vent cowls for gas and oil; fit all types of vents. Galvanized and crinkle aluminum finishes.—Walker Mfg. & Sales Corp.

101 Chimney Caps

"A. R. Wood Draft King" chimney caps are for use under all weather conditions and with all types of heating units. Specially designed draft rings eliminate down drafts, side drafts and up drafts. Adapters and spacers permit galvanized steel or aluminum caps to be installed on most chimneys or flues.—Norwood Products Co.

102 Double Wall Gas Venting

Folder GC-7 features "Air-Jet" double wall gas venting material available in sizes 3 through 12 in., with fittings. Also included are details of new "Snap-Fast" knockdown housings for use with this vent.—General Products Co., Inc.

103 Factory-Built Fireplace

Six pages of data, including dimensions of "Thulman" fireplace and chimney in open front and open side models. Explains installation in "zero clearance" without use of masonry in old or new homes. Wide selection of standard mantel designs shown, as well as versatility.—The Majestic Co., Inc.

104 Flue Cap Display

"VersaCap" display with sample of product available to dealer and distributor outlets only. Display has heavy paperboard base which supports model 3050 (fits both 3 and 4 in. double-wall and single-wall pipe).—Leslie Welding Co., Inc.

105 Flue Caps, Ventilators

Catalog covers "VersaCap" flue cap as well as rotary turbine and stationary ventilators. New "Roto-Farm" ventilators for farm use also included.—Leslie Welding Co., Inc.

106 Gas Heat Chimney Liners

Reprint of stainless steel catalog page covers stainless steel chimney liners for gas heat installations.—The Excelsior Steel Furnace Co.

107 Gas Vent Hanger

Descriptive literature on the "Vent Grab," a gas vent hanger that can be used with equipment made by popular vent manufacturers. Gives automatic 1 in. fire clearance; supports or hangs entire vent, with no other fastenings necessary.—Lane Sheet Metal, Inc.

108 Gas Venting

Twelve page catalog 7D lists products for scientific gas venting. Information includes specifications for RV round, QC quick coupling and WV oval vents. Special sections deal with integral spacers for in-the-wall venting and new gas vent housings.—William Wallace Co., Metalbestos Div.

109 Gas Vent Pipe and Fittings

Catalog 3 gives detailed information for double wall, metal, factory assembled vent pipe and fittings for gas burning devices. Covers 12 sizes of round pipe to 24 in. diameter and 4 and 5 in. oval pipe.—Dura-Vent Corp.

110 Gas Vent Pipe and Fittings

Catalog MV-2 describes "Metlvent" gas vent pipe and fittings for venting gas fired heating equipment, gas water heaters. Pipe and fittings are double wall insulated. Engineering data and installation instructions.—Hart & Cooley Mfg. Co.

111 Gas Vent Tables, Handbook

Guide to venting gas appliances incorporates "Safety System" tables for type B vent 3 to 24 in. with capacities up to 10,000,000 Btu. Text has scientific application data and design procedures for all types of systems, plus special sections on manifold and multi-story venting.—William Wallace Co., Metalbestos Div.

112 Prefabricated Chimney

Four page brochure tells about new "Vitroliner" prefabricated chimney with concealed raincap and stainless steel tank. Tank collects and evaporates moisture and prevents water from running down inside chimney. Shows new type B vent housing. Includes installation instructions.—Condensation Engineering Corp.

113 Prefabricated Fireplace

Folder describes "Vitroliner" open hearth for use in new and existing homes. Prefabricated, with its own chimney, can be installed at minimum cost with no footings, requires no special skills. Finished in black, trimmed with solid brass. Two inch firebrick lining. Equipped with brass sliding fire screen covering entire hearth.—Condensation Engineering Corp.

114 Vent Equipment

Four page folder ADV-D5 presents aluminum "Dri-R-Vent" equipment.—The Excelsior Steel Furnace Co.

• See the index on the front cover of this supplement to *American Artisan* for the classifications of products under which this literature is listed.

Controls, Instruments, Test Equipment

115 Air Circulation Thermometer Kit

Leaflet 867B on "Tempoint" air circulation thermometer kit comprising two thermometers for adjusting forced air heating systems for continuous air circulation. Used for simultaneously checking temperatures in warm air plenum and cold air return. Equipped with holding sleeve which permits hooking into air duct.—Bacharach Industrial Instrument Co.

116 Air Conditioning, Refrigeration Controls

Fifty-two page condensed catalog 608.195 covers automatic controls ranging from thermo-expansion valves to complete control packages for commercial and residential air conditioning. Includes electrical components, magnetic valves, heating and/or cooling room thermostats, damp-

er actuators, and engineering data section.—General Controls Co.

117 Air Velocity Meter

Leaflet 768A an air velocity meter that is compact, fits in hand. Easy-to-read scale can be locked at reading point. Two models: MRF measures air flow from registers; MLD measures ceiling diffuser output. Ranges: MRF 0-1000 or 0-3000 fpm; MLD 0-2500 fpm.—Bacharach Industrial Instrument Co.

118 Automatic Heating Controls

Catalog 608.203 embodies automatic controls for gas or oil warm air, hydronic and electric heating. Included are temperature and pressure controllers and instruments, damper actuators, gas

valves, magnetic valves, "Hydramotor" electro-hydraulic valves, appliance controls, room thermostats, limit controls, electrical components, package sets, gas regulators. Ninety-five pages.—General Controls Co.

119 Change-Over Control Panel

Bulletin HCP4 describes automatic heating-cooling change-over control panel for switching system from heating to cooling cycle and back again by setting selector switch to desired cycle. Can be installed on air or hydronic zone controlled heating and cooling system. Control of special ventilating damper provided.—Econo Products Co.

120 Circulation Control

"Palm Beach" CMC form 700 describes continuous modulated circulation control, its components, and end results. Explains its importance in the heating industry.—National Modulation Co.

121 Converting Thermostat to Zone Control

"Convert-O-Stat" permits existing two wire thermostat to be utilized when modernizing existing warm air heating or air conditioning system to provide zone control of both heating and cooling. Described in bulletin TCR. Eliminates marring walls. Converts two or three wire series 10 thermostat to three wire single pole double throw.—Econo Products Co.

122 Electric Damper Controls

Compact 24 volt, direct drive, silent operating electric damper controls for individual room thermostatic control of air heating or cooling installations. Units assure proper distribution of heating or cooling to only those rooms requiring it, providing automatic compensation for wind shifts, crowds, open doors, windows.—New England Gear Works, Inc.

123 Electric Damper Operator for Zone Control

Manual designed to assist dealer-contractors in selection and installation of "Zon-Air" motorized zone controls for warm air heating and air conditioning systems. Gives data on application of damper motors for zone control in duct distribution systems.—Heat-Timer Corp.

124 Electric Heat Thermostat

Bulletin 3255 covers "Switchstat," a new thermostat to control electric space heating equipment and for mounting interchangeable wall switches, pilot lights or convenience outlets within one enclosure. Especially suitable for bathrooms with ceiling heating and ventilating units.—Penn Controls, Inc.

125 Forced Air Home Heating

"Palm Beach" CMC form 51, "Baby's World Is Only One Foot High," describes shortcomings of CAC and "off and on" forced heating in the home.—National Modulation Co.

126 Gages and Instruments

New gage and instrument catalog G-61 for air conditioning, refrigeration and heating consists

of 16 pages. Lists new line of pressure, vacuum, recording and indicating gages and instruments. A featured product is 31 day miniature recording voltmeter, suitable for 115, 230 volts, a-c, both single and three phase circuits.—Airserco Mfg. Co.

127 Heating Controls

Condensed catalog 1508-AH lists several heating controls for the first time, in addition to those previously cataloged.—Penn Controls, Inc.

128 Home Heating Problems

"Palm Beach" CMC form 50 is designed for the homeowner with "on and off" heating or old fashioned CAC problems. Also useful to a homeowner who is going to build a second home.—National Modulation Co.

129 Line Voltage Thermostats

Bulletin 3233 announces new series of line voltage thermostats designed for control of heating, cooling or year 'round air conditioning in commercial, industrial or residential installations. Modern "thin-line" styling presents clean, uncluttered appearance.—Penn Controls, Inc.

130 Motorized Zone Control

Four page brochure describes "Zon-Air" electric damper motors for zone control of forced warm air heating and air conditioning systems. Features a positive answer to the misalignment problem of a rotating damper blade. Shows wiring diagrams, layouts.—Heat-Timer Corp.

131 Recording Thermometer

Leaflet 786A describes "Tempscribe" self-contained recording thermometer featuring 4¼ in. chart with uniform divisions. Spring wound, instrument type chart drive. Pen actuating component in instrument's door. Range is changed by replacing door. Eighteen ranges covering -30 to 160 F; 4 hr, 8 hr, 24 hr, 7 day rotations.—Bacharach Industrial Instrument Co.

132 Refrigeration, Air Conditioning Testing

R-8 refrigeration and air conditioning catalog contains large selection of air conditioning and refrigeration instruments, equipment and high vacuum pumps. Consists of 43 pages; sixth printing.—Airserco Mfg. Co.

133 Thermostats

Bulletin R-1691 describes line of new thermostats designed with "Straight-Line" look by designer Earl Claus. Features sealed mercury contacts, adjustable anticipation, pushbutton heating-cooling sub-bases, and built-in level-bubble for ease of mounting.—White-Rodgers Co.

134 Zone Control

Bulletin ZDA tells how motorized "Zone-A-Trol" air flow damper actuators may be installed in air duct to automatically control air flow to each room or zone. Provides individual room temperature control or zone control on new or existing residential or commercial warm air heating or cooling system.—Econo Products Co.

Dampers, Damper Regulators, Access Doors, Hardware, Louvers & Accessories

135 Access Doors and Hardware

"Ventlok" access doors and hardware, including latches, hinges and gasketing material, described in catalog. Latches are made of a non-corrosive zinc and aluminum alloy. Larger latches can be operated from both inside and outside of duct. —Ventfabrics, Inc.

136 Accessory Equipment

Bulletin gives dimensional drawings and information on use and installation of extractor volume controls, opposed blade dampers and volume controllers. —Dry Mfg. Co.

137 Airfoil Damper

Extruded aluminum air foil damper with double blade, safed off top, bottom, sides with polyvinyl stripping for air tightness. Blade sizes any length, 5 to 9 in. wide. Extensively used as automatic damper in temperature control, or as manual volume damper. —Arrow Louver and Damper Corp.

138 Damper Hardware

New concept for manufacturing multi-blade dampers, "Ball-O-Matic" is self-aligning. Tubular design and special positioning marks provide strength, ease of installation. Uses standard 1/4 in. rod. Heavy gage bracket with solid brass ball-jointed rod holder holds predetermined position. Described in bulletin B/O Br 461D. —Elgen Mfg. Co.

139 Damper and High Pressure Hardware

Catalog describes "Ventlok" line of damper control and blade hardware in addition to hardware for high pressure ducts. Includes dial, self-locking and concealed damper regulators, end bearings and standard and spring pin parallel blade hardware. —Ventfabrics, Inc.

140 Damper Regulators

"E-Z-On" damper regulators for heating and cooling systems are installed by using only a hammer. Washer is permanently attached, cannot fall into pipe. Balanced construction prevents binding of damper in duct. With indicating handle, changing these regulators from winter to summer settings is simplified. —M. A. Gerett Corp.

141 Dampers

Automatic, manual and gear operated dampers available manufactured in black steel, galvanized, copper, aluminum and stainless. Fire dampers to meet National Board of Underwriters approval. Backdraft shutters, gravity and counterbalanced shutters are part of the line. —Arrow Louver and Damper Corp.

142 Extruded Aluminum Louvers

Twelve gage and 1/8 in. thick extruded aluminum louvers and screens, stationary and adjustable. Louver blades weatherproof and stormproof. Aluminum penthouses available. Line also contains sunshades. All types of sills provided. —Arrow Louver and Damper Corp.

143 Fusible Links

HP fusible links are manufactured for release temperatures of 160, 212, 360 deg. Used in conjunction with heating, air conditioning systems, fire dampers and automatic closing devices for doors and windows. Approved by Underwriter's Laboratories. Folder includes protective features as well as specifications. —Hinden Products Co.

144 Heavy Duty Quadrant Set

"Quadra-Matic" heavy duty quadrant set prevents leakage, locks securely. Polyethylene sealer eliminates openings, ends rattling in high velocity systems. Swivel end bearing fits flush against inside of duct, locks automatically, requires no hole cutting. Positioning marks provide for blade installation without cutting away lining or insulation. Bulletin Q/M Br 461D. —Elgen Mfg. Co.

145 Indicator Handle for Dampers

Indicator handle for systems that use same ducts for cooling and heating. Shows damper position, can be turned to summer or winter setting. Made of 19 ga steel, heavily zinc plated. Small slot in end allows use as tool to engage tongue of regulator in place of pliers. —M. A. Gerett Corp.

146 Setting Anvil for Regulators

Standard and "Snap-Tite" setting anvil saves time assembling regulators, operating on principle of a rivet set. Can also be used in kick or power press. Sets and fastens unit in one operation. Of hardened steel. Weight 1 3/4 lb., size 1 in. thick, 2 in. wide, 3 in. long; complete with fastening screws. —M. A. Gerett Corp.

WHEN USING REPLY CARD

When you use the reply card on pages 2-35 and 2-36 to request the literature you want, please circle clearly the corresponding item number on the card for each catalog or bulletin to be sent to you.

The item number is the big number at the left of the title for each item. For example, in the item immediately above, the number to circle on the reply card would be 146.

Duct, Pipe, Fittings & Accessories

147 Angle Rings

Carried in stock, sizes 6 to 48 in. in diameter, "leg out" angle rings are available for same day or next day shipment. This in-stock service saves waiting time. Ring bulletin gives information on all stock sizes.—National Metal Fabricators.

148 Asbestos-Cement Air Duct

TR-277A reprint describes test results of "Transite" asbestos-cement air duct which allows smaller ducts or smaller blowers than normally required. Long lengths, few joints, smooth walls result in 30 percent lower pressure drop. Needs no concrete encasement and saves up to \$85 per house.—Johns-Manville.

149 Duct and Fittings

Catalog 59 covers patented split wye system adaptive to large systems, evaporator coolers, etc. Includes ceiling diffuser boxes with rod operated dampers which can be "balanced." Feature saves about \$1.00 per outlet.—Modern Metals, Inc.

150 Duct Connectors

"Silent Duct" for fabricating flexible duct connectors described in bulletin SD Br 461D as pre-assembled, metal-to-metal-to-metal unit. Uncoils flat from dispenser. Patented, No. 2,777,573. "Steel-Grip" locking device holds fabric. Available in commercial, utility and residential types with canvas, asbestos, neoprene or "Neobestos" aluminized neoprene coated asbestos.—Elgen Mfg. Co.

151 Duct, Pipe and Fittings

Explanation of unique features of patented "Seal-Tite" duct, pipe and fittings. Includes data on a graphic demonstration using a smoke test as to the tightness of this equipment. Details of time and money saving features in installation given.—The Williamson Co.

152 Duct, Pipe, Fittings, and Registers

New 15 page catalog 59 lists air conditioning duct and fittings, furnace pipe and fittings, registers and grilles. Includes sizes, prices, accessories, tools.—Maurlee Co., Inc.

153 Duct Sealer

"Information Exchange" and data sheet cover NP 617 duct sealer for air conditioning, refrigeration, ventilating and air distributing systems. Strength and sealing against pressure losses in duct systems, water resistant, retains flexibility, shear strength.—Miracle Adhesives Corp.

154 Duct Tape

Single sheet lists various types of "Ductape" available and special characteristics, with brief instructions for uses.—Arno Adhesive Tapes, Inc.

155 Fiber Duct

"Sonoairduct" fiber duct for slab perimeter heating, cooling, or combination systems is described in brochure 300. Installation methods and details for perimeter heating discussed. Available in long, light weight lengths that can be sawed on the job. Meets or exceeds FHA requirements. Available in sizes 2 to 36 in. ID.—Sonoco Products Co.

156 Flexible Connector Fabric

UL approved flexible connector fabric, "Asbestoseal," combines features of canvas, asbestos and neoprene. Underwriters' grade woven asbestos is sealed against air leakage with flame retardant neoprene coating. Available in various sizes and gages of "Grip-Loc" connectors.—Duro-Dyne Corp.

157 Flexible Duct Connections

Information is provided in catalog of plain and "Metaledge" fabrics for canvas connections in sheet metal ducts. Covers "Ventfab" canvas and "Ventglas" neoprene coated fiber glass materials.—Ventfabrics, Inc.

158 Furnace Pipe

Brochure 931 covers 10 ft long patented "Zipper" lock pipe nested 100 ft per carton. Locks together progressively like a zipper. Longer lengths for rapid installation and smooth air movement. Cartoned for protection of quality and safe handling.—Gary Steel Products Corp.

159 Furnace Pipe and Fittings

Catalog illustrates pre-fab pipe and fittings for heating or cooling applications.—Buckeye Mfg., Inc.

160 Furnace Pipe, Fittings and Duct Work

Line of furnace pipe, fittings and duct work for the installation of residential warm air heating and cooling systems is covered in catalog 59A—F. Meyer & Bro. Co.

161 Glass Fiber Air Duct

Four page brochure GBD describes glass fiber "G-B Duct" for heating and air conditioning and its use in conventional installations, extended plenum, attic or crawl space installations, run-outs from metallic extended plenums, and sound absorbers in existing systems.—Gustin-Bacon Mfg. Co.

• See the index on the front cover of this supplement to *American Artisan* for the classification of products under which this literature is listed.

162 In-Slab Ducts

Bulletin TR-198A covers "Transite" air duct for in-slab heating-cooling systems. Requires no concrete encasement, has 30 percent lower pressure drop. Light weight, long lengths easily handled, cut, assembled. Fittings can be made on the job. Corrosion resistant; cannot delaminate.—Johns-Manville.

163 Oval Fittings and Ducts

Catalog sheet covers oval fittings and ducts, new development in heating and air conditioning duct work. Includes sizes and prices on vertical elbows, round-to-oval boots, stack heads, flat elbows and oval pipe; an oval duct comparison

chart, and insertion instruction for two story and split level homes.—Maurlee Co., Inc.

164 Pipe, Ducts and Fittings

Catalog 14 covers line of pipe, ducts and fittings for warm air conditioning distribution systems.—The Excelsior Steel Furnace Co.

165 Tee Branches, Round Trunk Lines

New catalog sheet on "Ful-Flo" tee branches and round trunk lines for attic and crawl space heating and air conditioning systems shows various models and prices. Included is discussion of savings by using tee branches and round trunk line.—Maurlee Co., Inc.

Dust & Fume Collection

166 Blowpipe Fittings, Dust Collectors

Concise booklet lists descriptions and specifications on blowpipe fittings used in dust collecting and ventilating. Included are blast gates, ball joints, elbows, flexible steel tubing, cyclone dust collectors.—Alfred Goethel Sheet Metal Works, Inc.

167 Centrifugal Dust Collectors

Six page brochure discusses centrifugal air cleaning. Design 3 intended for shavings, sawdust, polishing, buffing, similar uses. Design 5, which follow design 3 for after cleaning, primarily for dust sizes below 44 microns, such as coal, cement, foundry, flour, etc. Diagrams and specifications.—Kirk & Blum Mfg. Co.

168 Dust and Fume Control

Forty-eight page brochure discusses dust and fume control in various industries. Covers special systems and collectors for factory installations, designed to fit particular needs. Diagrams and specifications shown.—Kirk & Blum Mfg. Co.

169 Dust Collection, Fume Control

Twelve page bulletin 605 lists prices of standard products and accessories, provides selection and installation data for flexible hose and duct for dust collection, fume control, air and materials handling.—Flexaust Co.

170 Dust Collection Hose and Duct

Twenty-four page bulletin 92 describes flexible hose and duct for dust collection, fume control, air and materials handling. Technical data, including friction loss, tensile, working pressures and accessory and selection data given. Miscellaneous useful tables of information are included.—Flexaust Co.

171 Dust Control in Woodworking

Bulletin shows tailor-made systems to fit needs of various woodworking plants. Tapered main and plenum main systems assure avoidance of dust for residential areas. Wood refuse can be relayed to central area for fuel purposes. Plenum allows easy relocation.—Kirk & Blum Mfg. Co.

Fans, Blowers & Ventilators

172 Air Movers

New additions to line of air movers described in new catalog. Included are low silhouette centrifugal belted power roof exhauster, mounted in one piece spun aluminum housing, and sidewall axial belted fan.—Greenheck Fan & Ventilator Corp.

173 Attic Cooling with Air Conditioning

Pamphlet describes use of ventilation for cooling attics in conjunction with air conditioning. Ex-

plains economy of operation at low investment cost when power or turbine ventilators are installed on residential air conditioning jobs.—Triangle Engineering Co.

174 Blowers

Blowers with 3 to 30 in. diameter wheels for domestic and commercial applications are listed in motor book 294. Also included is information and data on electric motors, fans, fan parts, pumps, power tools, compressors.—W. W. Grainger, Inc.

175 Exhaust Fans

Motor data book lists exhaust fans with 10 to 48 in. diameter blades for commercial and industrial ventilation. Also included are electric motors, circulator fans, fan parts, blowers, pumps, power tools, and compressors.—W. W. Grainger, Inc.

176 Fan Sets

A new line of "Ready Units"—V-belt driven, ready-to-run fan sets—is covered in 36 page catalog 517. These units are for volumes to 25,000 cfm, for static pressures through 2½ in., and for clean air up to 300 F. Dimensions and capacity tables included.—Clarage Fan Co.

177 Gravity Ventilators

"Aero-Foil" ventilators, described in bulletin, have high induced draft because of special vanes. Available in all metals. Sizes 3 through 48 in. Also used as vent caps to aid chimney draft.—Triangle Engineering Co.

178 Heavy Duty Fans

Type AF heavy duty "Dynafoil" fans, featuring a perfected airfoil blade design, are described in catalog 850. This equipment is especially suited to conduit type air conditioning, mechanical draft, industrial processes, tunnel ventilation, and similar applications.—Clarage Fan Co.

179 Range Hoods and Ventilating Fans

Sixteen page bulletin 298-L lists sizes, air delivery specifications, and other data to insure proper selection and installation of "Leigh" range hoods and ventilating fans. Includes factory-made duct fittings, outlets and accessories. Gives information, dimensions and specifications on built-in electric wall clocks.—Air Control Products, Inc.

180 Roof Exhausters

Catalog SL 1-60 contains details, dimensions, physical data, model numbers on spun aluminum line of sidewall centrifugal, belted centrifugal, direct drive centrifugal, and direct drive axial roof exhausters. Various models, features and electrical characteristics covered.—Greenheck Fan & Ventilator Corp.

181 Roof Ventilators

Four types of roof ventilators shown in folder; rotating, syphon, cone, power "Penthouse." Manufactured of heavy gage galvanized or cold rolled copper. Specifications, actual installations listed.—Empire Ventilation Equipment Co.

182 Turbine Attic Ventilator

The turbine ventilator lowers attic temperature as much as 50 deg, reducing heat transmitted through ceiling into living area. Eases load on air conditioner. Slight breeze causes turbine to rotate and produce exhaust. Available in galvanized, aluminum, copper. Specifications listed in folder.—Empire Ventilation Equipment Co.

183 Ventilation Handbook

Twenty-eight page pocket-size handbook 280-L explains briefly why ventilation is needed and details the FHA minimum property standards. Selection chart determines exact free area needed to ventilate a home. Includes information on uses, specifications, sizes and installation of line of "Leigh" ventilators.—Air Control Products, Inc.

184 Ventilator Chart Display

Flip chart display of ventilator products and residential louvers comes mounted on 8½×11 in. easel; contains 10 pages on all products. Available only to dealer and distributor outlets for display purposes.—Leslie Welding Co., Inc.

Humidifiers & Humidification

185 Atomizing Humidification

Counter or envelope stuffer presentation features "Bon-Air" atomizing humidification, its location on forced warm air furnaces, operation, and includes a chart of its constant positive humidification output.—Arkton Products Co.

186 Atomizing Humidifier

Two page catalog shows "Bon-Air" automatic atomizing humidifiers, UL and CSA approved. These humidifiers atomize fresh water for immediate humidification. Motor operated, no evaporator plates, jets or nozzles.—Arkton Products Co.

187 Counter-Balanced Humidifier

Model 711 counter-balanced humidifier is compact, self-compensating to varying water pres-

ures, has glass evaporating pan, many stainless steel parts. Factory assembled for immediate installation.—Skuttle Mfg. Co.

188 Electric Humidifier

Model 900 electric "Cormaire" humidifier is a controlled system utilizing 20 "Vapoglas" plates as standard equipment. A 625 watt electric heating element under the evaporating pan provides extra moisture output as required. Controlled by setting dial controlling heating element. A hygrometer is furnished.—Skuttle Mfg. Co.

189 Home Humidification

Designed for any updraft warm air furnace, model 800 humidifier features chrome-plated valve, rustproof pan, and "Porous Weave" evaporator plates. Described in dealer catalog.—General Filters, Inc.

190 Humidification

Pertinent humidification facts are available from the manufacturer of the "Aqua-Aire" automatic humidifier, such as the simple, positive operation of the unit. Also included are tables of benefit derived from proper humidity.—B & D Enterprises, Inc.

191 Humidifier

Catalog sheet and brochure cover 150 humidifier with new features and unbreakable fiber glass evaporator. This evaporator enables unit to evaporate up to 12 qt of water per day.—Auto-Flo Corp.

192 Humidifier Display

Metal display panel attachment for "Bon-Air" humidifier explains mechanical automatization of

fresh water into a cool, fog-like mist. Displays available without charge through the wholesaler.—Arklon Products Co.

193 Power Humidifiers

Catalog sheet and brochure describe high capacity power humidifiers. Model 30 mounts on bonnet or furnace casing; model 60 is portable version. Both units provide humidity in pure vapor form.—Auto-Flo Corp.

194 Residential Humidifier

Booklet provides information on complete line of RP "Aprilaire" residential humidifiers, including method of humidification, sizing and capacities for various units. Featured are new phenolic housing models for forced warm air furnaces.—Research Products Corp.

Insulation, Sealers & Insulation Fastening

195 Adhesives, Coatings and Sealers

Twelve page catalog contains information on adhesives, coatings and sealers for residential, commercial, industrial and institutional construction. Included are adhesives for insulation, sealers for curtain walls, masonry, metal and air conditioning duct systems.—Minnesota Mining & Mfg. Co., Adhesives & Coatings Div.

196 Adhesive for Insulation

Data sheet covers PF 78 adhesive for bonding insulation to metal, insulation to insulation (at joints), sealing joints, and "buttering" insulation edges. Designed for glass fiber, asbestos and cork insulation. Will support heavy insulating materials without auxiliary holding devices.—Miracle Adhesives Corp.

197 Asbestos Paper Tape

Literature and samples on "Gum-Bestos," pre-gummed asbestos paper tape requiring no paste. It is dipped in water and applied directly to sheet metal or insulation. Available in handy rolls, it forms smoothly to seams, beads and joints on duct or pipe.—Grant Wilson, Inc.

198 Adhesive Tapes

Two-side single sheet lists all adhesive tapes currently in production. Gives backing type, available colors and general characteristics of each tape.—Arno Adhesive Tapes, Inc.

199 Cellular Neoprene Insulation

Folder and samples on "Flex-Sulation" show how this preformed cellular neoprene insulation speeds application on air conditioning and refrigeration lines from -40 to +160 F. Non-absorbent and resistant to weather, oils, acids, alkalies, fungus. Supplied in 6 ft lengths for pipe sizes from $\frac{3}{8}$ to 3- $\frac{1}{8}$ in.—Grant Wilson, Inc.

200 Duct Fiber Glass Insulation

"Silvercel" is a combination of long, strong "textile" glass fibers and extremely fine "blown" glass fibers. Combination helps blanket hold staples, recover to full insulation thickness, gives thermal insulation and withstands air erosion when used as duct liner.—Silvercote Products, Inc.

201 Duct Insulation Adhesives

Single sheets list properties and applications of adhesives Nos. 1 and 2 for duct insulation mounting.—Arno Adhesive Tapes, Inc.

202 Duct Wrap and Liner

Brochure describes fiber glass insulation made of extremely fine "flame-blown" glass fibers. These fibers produce a strong and resilient blanket offering maximum insulation value. Many facings and coatings for duct wrap and liner applications are described.—Silvercote Products, Inc.

203 Fastening Devices

Patented fasteners described in literature are applied for fast and low cost attachment of insulation, strapping, metal lath, wall fixtures, wires and tubing to almost any metal or masonry surface, flat or curved. Useful where requirements call for no surface drilling. Quick fastening, strong and positive bond, no fire hazard.—Stic-Klip Mfg. Co.

204 Insulations

Variety of applications for "Silvercel" and "Fine-Fiber" insulations described in two page brochure. Acoustical data and Underwriters' ratings given for "Fine-Fiber," and thermal conductivity data furnished for both products.—Silvercote Products, Inc.

See pages 2-35 and 2-36 for convenient reply card

205 Pipe Insulation

Eight page booklet provides information on characteristics and applications for "G-B Snap-On" one piece, fine glass pipe insulation. Application specifications cover heating, insulation of valves and fittings, cold piping, dual temperature, plumbing, and outdoor piping. Thickness charts included.—Gustin-Bacon Mfg. Co.

206 Stud Welder for Insulation Pins

Bulletin describes resistance type "PinSpotter" stud welder designed to weld pins on ducts for mechanical fastening of insulation. Both the 110 and 220 volt models are comprised of a "gun" connected to a power unit by a 5 ft cable assembly. Pins and clips also available.—Duro-Dyne Corp.

207 Surface Anchors, Adhesives

Data and specification sheets, installation instructions provided for surface anchors (pronged anchor or spindle anchor-and-washer types), anchor adhesives, and insulation adhesives, for installing insulation (fiber glass, fiber board, mineral wool, Styrofoam, etc.) on exteriors or interiors of metal ducts.—Miracle Adhesives Corp.

208 Thermal, Acoustical Duct Insulation

Eight page brochure ULD describes thermal and acoustical duct insulation made of long, strong, textile-type glass fiber. Application specifications data on characteristics of duct liners, thermal efficiencies, sound absorption included.—Gustin-Bacon Mfg. Co.

Machines, Tools & Other Dealer-Contractor's Equipment

209 Air-Operated Clip Punch

Air-operated clip punch for use on air conditioning ducts, standing seams, etc. completes lock in one operation. Lock is completed by thumb pressure on two air valve buttons located next to the handle grips.—Thor Tool & Die Co.

210 Appliance Truck

Information about 35 lb all-steel "Stairmaster" appliance truck given in circular T-10. Patented stair-climber "walks" loads over steps with no rolling or sliding friction. Patented belt tightener keeps belt neatly rolled up, out of way, at all times. No buckles to adjust. Automatic lock retains proper belt tension on load.—The Fairbanks Co.

211 Arc Welding

Brochure provides concise explanation of the principles of arc welding. Has been used by welding clinics and schools.—Miller Electric Mfg. Co., Inc.

212 Arc Welding Sheet Metal

"Sigma" short arc welding process for quality sheet metal welding is described; how it works, typical case history applications, and description of equipment required.—Linde Co., Div. of Union Carbide Corp.

213 Aviation Snips

Folder on double sliding cam action cutters that give 20 percent more cutting power. Made of special hardened alloy steel, curved jaws for cutting ends of tubing to 0.065 in. wall.—Karl Klenk, Inc.

214 Aviation Snips

Moly steel snips have new convex blade, cut through heavy Pittsburgh locks with little effort

and without springing. Feature positive adjustment.—Malco Products.

215 Band Saws

Two band saw models available: 24-S and the 14-SM, dependent upon throat and size of cut required. Can cut stacked galvanized sheet for elbows or fittings or to template requirements. With speed change, saw can cut bars, angles or channels as well as friction cut stainless steel. Specifications available.—The Lockformer Co., Band Saw Div.

216 Band Saws

Helpful information on friction cutting with "Connecticut" band saw given in folder and supplementary material. Bulletin included on the process of friction cutting, advantages, limitations, applications, feed rates, etc.—W. Whitney Stueck, Inc.

217 Bench Brakes

Bulletin describes "Connecticut" bench brakes, 3 and 4 ft, 22 ga, both plain and box and pan types. Prices included.—W. Whitney Stueck, Inc.

218 Bench Punch

The "Whitney-Jensen" 118 bench punch is described in folder which also gives specifications, including prices and a punch and die listing for this 10 ton capacity punch press.—Whitney Metal Tool Co.

219 Bench Shear and Rod Cutter

The "Kar-ry" shear and rod cutter is a general purpose tool adaptable for production purposes and for making samples and templates in tool and die work. Shears sheet and bar stock up to 3/32 in. thick, any length and width. Cuts rods square without burrs; features adjustable reversible cutter blades. Prices, accessories included. Guaranteed.—E. V. Nielsen, Inc.

220 Bending Brakes

Ten page bulletin HB-59 gives description of construction, operation, application and specifications of line of "Chicago" hand operated bending brakes for sheet metal.—Dreis & Krump Mfg. Co.

221 Bird Repellent

Technical literature on bird repellent that can be applied by sheet metal contractors. Describes various models available to meet local bird problems and discusses application procedure.—Nixalite Co. of America.

222 Brushes and Scrapers

Catalog 60 offers line of heavy duty tube scrapers, wire tube brushes, wire furnace brushes, copper fitting brushes, wire wheels and end brushes. Envelope stuffer has condensed listing, space for distributor's name.—Worcester Brush & Scraper Co.

223 Button Punch Machine

New "Snaplock" with button punch machine for duct fabrication effects saving of 6 to 8c per ft in 8 to 10 ft length. Fabricates 24 to 30 ga galvanized at 60 to 65 fpm, giving flush joint. Conversion of right angle flange to flange for round pipe possible.—The Lockformer Co., Band Saw Div.

224 Cable Cutter

Cable cuts clean and fast with cutter which is described in a circular. Specifications are given.—Beverly Shear Mfg. Co.

225 Casters and Wheels

Industrial plate type casters feature patented "Lockweld" construction that eliminates kingpin in a swivel caster. Rubber tired, all-plastic, semi-steel and solid rubber wheels also described, with specifications, in catalog C-57. Basic information for manufacturer of shop trucks and special handling equipment.—The Fairbanks Co.

226 Chain Driven Gang Slitter

New "Thrifty 36" floor model gang slitter equipped with four hardened knives allows making two cuts simultaneously of 22 ga steel. Chain driven by 1/3 hp gear head motor, 110 volts, 60 cycle. Maximum width 38 in. Cartoned, assembled, ready to run. Described in bulletin 219.—Gary Steel Products Corp.

227 Clip Punch

For fastening slips, seams or laps of metal on ductwork. Will punch a half moon through thicknesses of 18 ga metal without hammering or flattening of metal. Holds firm. Quick, easy to handle.—Reiner & Campbell Co., Inc.

228 Collar Rolling Machine

"A" collars, stub collars, caps, cold air collars can be produced by machine that will bead,

bead and slit, bead and crimp or bead, crimp and slit. Production is limited only by the speed at which strips can be loaded into roller.—Fallington Mfg. Co.

229 Collar Stabilizer

Literature features collar stabilizer which can attach collars to many forms of boots and fittings from 4 to 8 in. One man in one hour can attach 200 to 300 collars without preforming. Dies may be changed in nearly 10 minutes.—Welty-Way Products Inc.

230 Colored Pre-Finished Rivets

New "Pop" rivet bulletin SL109 includes a sample package of colored rivets and describes the resulting improvements in appearance, fastening quality and fastening cost. Illustrates beauty and convenience of pre-finished fasteners available in wide range of chip-proof colors.—United Shoe Machinery Corp., Shelton Div.

231 Compound Action Snips

"Metal-Master" snips are designed to transmit extra cutting power from handles to blades through compound leverage. Permits cutting acute angles, complicated patterns or perfect circles of even small diameter in sheet metal up to 18 ga. Jaws of molybdenum steel. Four models described in brochure.—J. Wiss & Sons Co.

232 Condenser and Heat Exchanger Brushes

New line of condenser and heat exchanger tube cleaning brushes for power or hand use designed for quick cleaning of aluminum, brass, copper and stainless steel tubes. Available in four models with diameters from 1/4 to 1 in. Cadmium plated extension handles 12 to 36 in. long.—Schaefer Brush Mfg. Co.

233 Cutting Tools

Circular describes various types of cutting tools, from jewel snips to crimpers. New jaw handle stop permits more spring and jaw action. Easy assembly; any part can be replaced in minutes. Wall chart shows different models.—Karl Klenk, Inc.

234 Drilling Jig

Folder describes "Reglus" universal drilling jig which eliminates pre-drilling steps. Jig set directly from blueprint. All components interchangeable. Angular drilling attachment part of standard equipment. Applications detailed; accessories, technical specifications listed.—The Claremont Co., Inc.

235 Drive Cleating Machine

Circular features portable, bench, floor and heavy duty cleat bender models. Bend can be made and pinched down yet allows entering square ducts of various widths to make the bend. Can be disengaged from the work, leaving the work in horizontal position throughout the bending cycle when cleat-edging long lengths.—R. E. Smith Mfg. Co.

• Your comments on this Trade Literature Supplement to American Artisan are invited.

236 Drive Cleat Notcher

Fast device to notch out drive cleats; will make a better finish on ductwork. Adjustable gage to notch any width drive cleat up to 3 in. Dies are two pieces of hardened steel with full clearance so punching can drop through. A stop prevents metal from projecting beyond dies.—Reiner & Campbell Co., Inc.

237 Duct Notching Machine

Specifications, information on "Speednotch" machine for end notching duct in 16 ga capacity, 10 ft length. Fabricates the vee and end notches in rectangular or square duct work. Each punching unit can be positioned for quick set up work on guide rail for end notching patterns in 16 ga and lighter.—The Lockformer Co.

238 Elbow Cheek Cutting Machine

The "Cheekmaster" is an elbow cheek cutting machine for sheet metal shops which turns out cheeks for rectangular elbows. Can be set to produce cheeks with radii from 3 to 12 in., openings from 3 to 20 in. No layout required. Taper elbow cheeks, as well as circles, can be turned out.—Duro-Dyne Corp.

239 Electric Metal Cutting Shear

Bulletin SH-3 covers features, specifications and prices of portable electric metal cutting shear model 6800. This shear cuts 16 ga steel, 17 ga stainless, making both straight and curve cuts with equal ease.—Milwaukee Electric Tool Corp.

240 Electric Saws

Bulletin SW-41 presents new two speed "Saw-zall," model 6530, with two cutting speeds, 1700 and 2400 strokes per minute. Features, specifications, and line of blades and prices included.—Milwaukee Electric Tool Corp.

241 Equipment Hoist

"Hoist-It" portable two man equipment lift described in bulletin HST-1. Raises 4000 lb up to 18 ft or 2000 lb up to 24 ft. Accessories for lifting attic units and roof-mounted equipment. For hoisting air conditioners, unit heaters, ventilators, cooling towers, condensers. May be used to handle any width unit.—Hastings Air Control, Inc.

242 Fastener Selector Guide

Pocket size powder-actuated tool fastener guide, form B-117, shows which fastener to use on each job. Over 70 different drive pins and threaded studs shown. Accessories, powder charges, also shown. Indexed, coded.—Ramset Fastening System.

243 Finishing Lathe

Folder describes "Mecana Vektor" finishing lathe. Cutting-off work can be done on tubes and bars up to 1.4 in. diameter. Three jaw chuck and cross-slide and high precision elements. Sturdy mounting of main spindle permits working with circular files. Specifications included.—The Claremont Co., Inc.

244 Furnace and Boiler Vacuum Cleaner

Form FVAC 659 describes "Never Clog" boiler and furnace vacuum cleaner. Also used for clean-ups, duct work or spills. Regardless of soot and dust, it does not clog.—Pullman Vacuum Cleaner Corp.

245 Furnace Cleaner Dust Bags

Line of external dust bags to fit most furnace cleaners described. Replacement filter units, cloth replacement filters and disposable paper filter bags to fit all vacuums. Fast delivery, guaranteed satisfaction.—Mastercraft Industries Inc.

246 Furnace Vacuum Cleaners

Portable, heavy duty "Sootmaster" furnace vacuum cleaners. Compact construction allows transport of cleaner in car trunk. Features disposable paper filter bags for soot.—Mastercraft Industries Inc.

247 Government Lock Dies

Government lock dies, hand or foot-press operated, for punch presses. Sizes 1, 1 $\frac{1}{8}$, 1 $\frac{1}{4}$, 1 $\frac{3}{8}$ and 1 $\frac{1}{2}$ in. These dies shear, punch a 5/32 in. hole, and mark point at breakline in one operation.—Thor Tool & Die Co.

248 Gutter Machine

Automatic "Hi-Speed" gutter machine enables one man to produce 9000 ft per hr of gutter. Powered cradle supports up to a 3000 lb roll of coiled metal. Air operated flying shear automatically snips metal; electronic eye controls feet of metal to be cut and counts feet of metal fed into machine.—Welty-Way Products Inc.

249 Hammer-In Fastening Tools

Form B-145 shows hammer-in fastening tools along with applications, drive pins, threaded studs. Explains operating principle of this tool. Also includes information about "Shure-Set" craftsman's kits and "Shure-Drive" floating-action hammers.—Ramset Fastening System.

250 Hand Cutting Tools

Catalog presents data on shears and scissors for industrial needs. Made of hot drop-forged cutlery steel. Industrial cutting tool index provides helpful guide to the proper shears for various needs.—J. Wiss & Sons Co.

WHEN USING REPLY CARD

When you use the reply card on pages 2-35 and 2-36 to request the literature you want, please circle clearly the corresponding item number on the card for each catalog or bulletin to be sent to you.

The item number is the big number at the left of the title for each item. For example, in the item immediately above, the number to circle on the reply card would be 250.

251 Hand Tools

Catalog 33 contains 55 pages of data and other information on wrenches of all types, socket sets, pliers, screwdrivers, hacksaws, tin snips, scratch awls, punches, chisels, etc.—Crescent Tool Co.

252 Hand Trucks

Two wheel and platform hand trucks described, with basic specifications, in condensed catalog T-1A. Standard two-wheelers feature steel framed oak handles; standard platforms have steel framed oak decks. All-steel trucks, dollies, lift jack platform trucks; all-wood platform trucks and factory trucks also shown.—The Fairbanks Co.

253 How To Use Hand Tools

Booklet features data on proper methods of using various types of hand tools, gives pointers on tool care. Easily understood.—Crescent Tool Co.

254 Hydraulic Sheet Metal Punch

Twelve-ton hydraulic press is stationary with 12 or 24 in. throat depth. Wide range of tooling including rounds, irregulars, louver, etc. Features quick change tooling, adjustable strippers and "jog" control on ram.—W. A. Whitney Mfg. Co.

255 Industrial Vacuum Cleaner

Form 110-CVI-1/59 shows "Vacmobile" industrial vacuum cleaner. Comes equipped with a standard kit of tools and accessories for every cleaning task. Water pick-up attachments also available.—Pullman Vacuum Cleaner Corp.

256 Ladder Shoes and Tops

Rubber shoes and tops for ladders prevent accidents, reduce insurance rates in some cases. Using shoes complies with rules of many industrial commissions. Molded of high grade rubber. Noiseless; will not mar.—Johnson Ladder Shoe Co.

257 Live Steam Cleaner

Information covers model 401-A steam cleaner operating without coils or pumps, and operating with live steam. Rids surfaces of heavy grease, grime, clay and road tar. Many uses, such as sterilizing, sanitation.—Siebring Mfg. Co.

258 Manual Sheet Metal Machines, Tools

Booklet 201 is designed as ready reference for sheet metal shop operators. Contains brief specifications on manually operated rotary machines, roll forming and grooving machines, folders and brakes, squaring, slitting, and ring and circle shears, and a line of bench and hand tools.—Niagara Machine & Tool Works.

259 Manual Welding Equipment

Form 7979 describes "Heliarc" welding torches, 110 to 500 amp capacity. Details features of each torch; necessary information and tables for ordering accessories, such as collets, cups, and

collet bodies; and includes section on argon gas and regulators.—Linde Co., Div. of Union Carbide Corp.

260 Masonry Nails

Hardened masonry nails for making fastenings to brick, concrete, cinder blocks, etc. are described in bulletin 417. Stock sizes also listed.—Parker-Kalon Div., General American Transportation Corp.

261 Metal Cutting Shears

Catalog sheet CC159 shows pneumatic, electric, and hand-operated throatless shears. An inside slotter is also described. Specifications are given.—Beverly Shear Mfg. Co.

262 Metal Notcher

Notcher automatically feeds and progressively notches edge of metal up to 16 ga mild steel. Distance between notches and depth of notch adjustable. Flat or round stock easily handled. Various punch and die patterns for fittings used in heating work.—Ruoff & Sons, Inc.

263 Metal Shearing Machine

Literature covers "Slear" and tells how to slit, shear and feed metal automatically. This machine blanks out 12,000 elbow blanks per hour and feeds metal of any length cut to the exact 1/16 in. into a fabrication machine.—Welty-Way Products Inc.

264 Metal Stitching

New brochure AD648 describes how wire stitching punches its own hole, inserts stitch and clinches securely in one fast operation. Explains how metal stitching is applied to fastening steel, copper, aluminum, rubber, plastics and similar materials in any combination or to other materials. Portable metal stapler available for assembly line use described.—Bostitch, Inc.

265 Metal Working Tools

New 60 page general catalog gives information on all metal working tools available from the manufacturer. Prices and specifications are given for all equipment, including punches and dies.—Whitney Metal Tool Co.

266 Metal Working Tools, Machinery

Display of new and used machinery in factory open to visitors. Models featured in tool catalog and used tool bulletin M-10. Leasing service is available.—Souther Steel and Aluminum Co.

267 Multiple Notching Machine

The "Multi-Notcher" will cut one to six accurately shaped notches at one time in sheet metal. Has fast locking device that enables dies to be relocated with ease and rapidity. Can be adapted to unit type punches as well as "V" and Pittsburgh corners.—Fallsington Mfg. Co.

Nearly 500 descriptions of catalogs, bulletins and other data available to you without obligation on request are described in these pages.

268 Nibbling and Shearing Machine

Folder describes "Pioneer" machine whose uses include circular nibbling, bevel edge nibbling, tube notching, louver forming, beading, outside and inside flanging, folding, peening, shearing. Added advantages of straight guide cutting attachment, easy interchangeability of standard and special tools. Diagrams, specifications included.—The Claremont Co., Inc.

269 Noiseless Hammer

Noiseless hammer for closing Pittsburgh lock seams quietly and quickly is described. Effective for ducts up to 26 ga steel or 0.032 in. aluminum.—Bell Machine Specialties Inc.

270 Pipe and Elbow Machinery

Catalog 1701 gives data on new line of high production pipe and elbow making machinery. Models described are G-924 panel type snap lock machine, automatic intermediate feed table, air operated crimp, bead and roller, elbow machine and power gap gang punch.—Maplewood Div., Rockford Machine Tool Co.

271 Pipe Dope, Sealants, Fluxes

"La-Co" pipe dope, sealants and soldering fluxes in stick form covered in bulletin 5502. Included are "Pipetite-Stik" pipe joint compound for threaded connections; "Oyltite-Stik" for sealing leaks in oil tanks and pipes; "Krak-Stik" for sealing leaks in soil pipes; "Flux-Stik," regular and electro types, for soft soldering.—Lake Chemical Co.

272 Pipe Joint Compound

Pipe joint compound, "La-Co Pipetite-Stik," comes in handy stick form and provides positive sealing for all threaded connections. Contains no lead. New form eliminates mess and waste. Bulletin 2162 discusses range of applications, gives testimonials.—Lake Chemical Co.

273 Pipe Rolling Machine

Five foot pipe roller rolls pipe in a single operation. Average operator can feed 15 sheets of 30 to 26 ga metal per minute without damage to pipe or to the locking device.—Fallsington Mfg. Co.

274 Piston Pump Steam Cleaner

Data on model HO-3 "Clean-O-Matic" steam cleaner equipped with piston type pump which forces all detergents through the coils. Capacity

100-150 gph; operating pressure 120 psi. Adaptable for use with either gas or oil. Portable, adjustable and automatic. Instant steam.—Siebring Mfg. Co.

275 Pittsburgh Lock Machine

Cost-saving facts given in bulletin RF-102 on new S Pittsburgh lock machine, 22 ga equipped with needle bearings. Model S portable and model S floor stand shown and specifications included.—Maplewood Div., Rockford Machine Tool Co.

276 Pneumatic Hammer

Literature describes "Appton" air hammer which delivers a minimum of 6000 blows per minute. Contact operated, eliminating trigger action. Design permits power control from a slight tap to maximum power. Consists of only two moving parts. Minimum air consumption. Applications and accessories listed.—E. V. Nielsen, Inc.

277 Pocketsize Tool Catalog

Pocket or tool box size photographic reproduction of catalog of mechanics' hand tools, including pliers, wrenches, snips, screwdrivers, hacksaws, etc.—Crescent Tool Co.

278 Portable Electric Tools

Catalog G20 has 12 pages of specifications, prices, and descriptions of line of portable electric tools. These include heavy duty drills, circular saws, chain saws, shears, "Sawzall", sanders, grinders, generators, hammers, snips, screwdrivers, polishers, diamond core drilling equipment, as well as tool accessories.—Milwaukee Electric Tool Corp.

279 Portable Heating Equipment

Eight page catalog features LP-gas portable heating equipment, including melting furnaces for compounds and metal, flame soldering torches, internally fired soldering irons and soldering iron heaters and cylinders in 5, 18 and 35 lb capacities. Underwriters' and Factory Mutual Laboratories approved.—Insto-Gas Corp.

280 Powder-Actuated Fastening Methods

Form B-141 presents story on powder-actuated fastening methods, techniques. Contains drawings, charts, descriptions of tools, powder loads, over 50 different drive pins and threaded studs. Application information, approvals, specifications, holding power data.—Ramset Fastening System.

Your comments on this trade literature supplement to American Artisan will be most welcome, and we invite you to write us. We'd like very much to know if you find this service useful.

Address your remarks to Trade Literature Supplement, American Artisan, 6 N. Michigan Ave., Chicago 2, Ill. And thanks for your help.

281 Power Flanger

"Auto Guide" power flanger for 16 and 18 ga uses principle of auto guiding. The 16 ga machine forms a right angle flange in straight or irregular sections with a $\frac{3}{8}$ in. high flange. The 18 ga machine is available in 18 ga capacity and lighter in a $\frac{1}{4}$ in. flange.—The Lockformer Co., Band Saw Div.

282 Power Operated Sheet Metal Machines

Booklet 202 describes line of power operated equipment for light sheet metal work. Information on squaring shears, ring and circle shears, flangers, press brakes, folders, groovers, notching, punching, rotary, and roll forming machines. Detailed bulletins on specific types of equipment listed.—Niagara Machine & Tool Works.

283 Power Punch Presses

Thirty-six page catalog lists power punch presses ranging from 1 to 5 tons, also half presses and double ram models. Included are punch press accessories such as stands, clutch kits, vibration mounts, flywheel guards, punches and dies, and others.—Alva Allen Industries.

284 Power Slitting Shears

Power slitting shears designed for accurate cutting are described in circular PSS-59. Available in three sizes and will handle from 20 to 10 ga metal.—Beverly Shear Mfg. Co.

285 Power Squaring Shears

Specifications for 11 different models of power squaring shears for work through 10 ga, 10 ft are given in bulletin 73. Operating features and accessories described. Included is a special product report on new magnetic sheet support to assure accurate gaging of thin, ferrous materials.—Niagara Machine & Tool Works.

286 Power Squaring Shears

Bulletin 57 describes precision power squaring shears. Features include embedded scales, self-compensating plunger holddown, four edge alloy steel blade, full skirt safety guard, removable clutch housing, clutch control single stroke or repeat action, precision back gage, fully visible cutting line.—The Peck, Stow & Wilcox Co.

287 Power Squaring Shears

Bulletin 60 covers precision squaring shears designed for continuous cutting at full rated capacity. Equipped with safety square pin clutch. Selector for changing from repeat to non-repeat cycling without tools. Full length treadle, adjustable finger guard, full visibility over hold-down beam to edge of lower blade. Optional equipment, specifications listed.—The Peck, Stow & Wilcox Co.

288 Power Tools and Machines

Catalog containing 74 pages covers "Sioux" air and electric impact wrenches, drills, screwdrivers, sanders, grinders, electric polishers, portable saws and portable electric pipe threaders.—Albertson & Co., Inc.

289 Press Brakes

Bulletin S-59 provides details of design features and specifications of the small models of "Chicago" mechanical press brakes. Bending lengths of 48 and 72 in. Capacities from 24 in. of 14 ga to 72 in. of 16 ga.—Dreis & Krump Mfg. Co.

290 Press Brakes

Four page folder and supplementary data on "Connecticut" press brakes, 24 ton series, and standard "Connecticut" press brake dies.—W. Whitney Stueck, Inc.

291 Production Bending on Duct Sections

SB-618 is a four page bulletin describing the four models of "Chicago Speedbender" for production bending on heating and ventilating duct sections and similar long, light gage sheet metal work. Available with either a two- or three-position die, having opening for cross-braking. Hydraulic operated with foot switch control.—Dreis & Krump Mfg. Co.

292 Punches, Presses, Shears

Catalog describes line of hand punches, hydraulic presses, shears, punches and dies. Important engineering data on punching and shearing with hydraulic machines. Tables explain application of portable punching to structural steel work.—W. A. Whitney Mfg. Co.

293 Rectifiers for Welding

Eight page booklet answers questions on performance, life, and aging of selenium rectifiers for d-c welding, why selenium rather than other rectifiers, etc.—Miller Electric Mfg. Co., Inc.

294 Rivet Applications in Building

Four page bulletin SL105 covers "Pop" rivet applications in the building industry. Sectional view of building with details of 14 typical rivet applications included. Features ease of fastening and reduction in assembly cost. Ordering information given.—United Shoe Machinery Corp., Shelton Div.

295 Riveting Gun, Blind Rivets

"Malco-matic" riveting gun using blind rivets facilitates low cost, fast assembly. Rivets stocked in many sizes and types of metal. Kits consist of metal case, riveting gun and rivets.—Malco Products.

296 Rivets

Eight page "Pop" rivet catalog SL101 for those seeking fast, simple fastening in metal, plastic and other materials. Typical applications shown include blind and nonblind types. Engineering data on rivets and both the hand and power tools used.—United Shoe Machinery Corp., Shelton Div.

297 Rod Cutters

"Whitney-Jensen" rod cutters are covered in a new four page folder. Photographs and drawings show how tool is used and the need it fills. Ca-

pacities, pricing and specifications included.—Whitney Metal Tool Co.

298 Roll Forming

Data sheets show special roll forming applications using standard lock former chassis with special rolls built to customer specifications. Application stories discuss typical shapes formed as to gage, dimension and industry usage.—The Lockformer Co.

299 Roll Forming Machinery

New catalog is concise manual of sheet metal machines and describes roll forming machinery consisting of Pittsburgh lock machines, "Snap-lock," "Speednotch" and "Cliprol" machines, sheet metal band saws, as well as special roll forming applications.—The Lockformer Co.

300 Rubber Mallet

New all rubber mallet reinforced with safety steel. Handle cannot fly off. Comes in two sizes: 2 x 3½ in., 24 oz; 2½ x 4 in., 36 oz. Prices given.—Johnson Ladder Shoe Co.

301 Saw

New 265 saw is vibration free, has powerful two speed motor and does both vertical and horizontal flush cutting without attachments. Exclusive blade clamp for "Lock-in Blades" prevents blades pulling out.—Malco Products.

302 Screw Nails

Form 416 is a bulletin describing "Screwnails" which drive like nails with the holding power of a screw. Stock sizes are listed.—Parker-Kalon Div., General American Transportation Corp.

303 Self-Drilling Screws

Form 688 describes design features and lists technical and application data of "Tapits" self-drilling screws.—Parker-Kalon Div., General American Transportation Corp.

304 Semi-Automatic Welding Equipment

Form 1393 covers line of semi-automatic "Sigma" manual welding equipment, the welding process and its advantages. Includes details on welding torches, control, wire feed; various combinations of standard components which can be selected to meet individual needs.—Linde Co., Div. of Union Carbide Corp.

305 Sheet Metal Cutter

Catalog page 10 features all-purpose sheet metal cutter which cuts up to 16 ga steel. Forged hammer; ⅝ in. thick replaceable blade may be ground thin for fine cutting, heat treated to 45 Rockwell. Will not chip or spark; 10 in. size to fit pocket.—Schild Mfg. Co.

306 Sheet Metal Fabrication

Quick reference catalog 159 lists machines and tools for modern sheet metal fabrication. Descriptions, diagrams and specifications of each

Advertisers in American Artisan have furnished these descriptions of their catalogs, bulletins, and other helpful data. Copies are available without obligation on request.

machine, tool and accessory items. Gage table and other data included.—The Peck, Stow & Wilcox Co.

307 Sheet Metal Punch

New bayonet type sheet metal 4R hand punch will clear a ½ in. flange. Comes equipped with die holder that can be raised and lowered. Punches and dies available from 1/16 through 5/16 in. in 64th increments.—W. A. Whitney Mfg. Co.

308 Sheet Metal Working Machine

Brochure on TE-100 "Tru-Edge Metmastr" sheet metal working machine that accomplishes numerous cutting and forming operations. Edge cuts to 12 ga; cuts contours, circles, rings and square holes; forms joggles, louvers, beads, flanges; does planishing. Center cuts to 14 ga without a starting hole.—Lennox Tool & Machine Builders.

309 Snips

Brochure covers "Inlaid" blade snips of two piece construction; frames are hot drop forged from special alloy steel. High carbon steel inlay is welded to inside of each blade for hardness impossible to attain with solid steel forging and still keep necessary workability.—J. Wiss & Sons Co.

310 Soldering Fluxes

New "La-Co" soldering flux permitting fabrication of aluminum with ordinary soft solders described in bulletin 113. Other fluxes described include regular flux, stainless steel and chrome flux, silver solder flux, electro flux. All are non-acid and self-cleaning.—Lake Chemical Co.

311 Soldering Furnace

The "Addis No. 2" soldering furnace described in literature is fast, efficient, durable soldering furnace with rapid heating capacity, heavy cast body.—Moncrief-Lenoir Mfg. Co.

312 Soldering Furnaces

Descriptive bulletin features soldering furnaces in different sizes, with and without metal melting pots.—Johnson Gas Appliance Co.

313 Soldering Stainless, Aluminum

Brochures on how to solder stainless steel easily and how to solder aluminum, as well as samples of solder and flux.—L. B. Allen Co. Inc.

314 Soot Remover

"Clean Right" soot remover is available in seven sizes; can be sold to home owners or applied on service calls. Harmless to burner parts.—General Filters Inc.

315 Spiral Duct Forming Machine

Literature describes new duct forming machine, the 403B. Fully automatic, it produces spiral ducts from 2 through 32 in. diameters in lengths up to 20 ft. Applications include air conditioning, heating, ventilation, dust removal and many other uses.—Spiro USA, Inc.

316 Swivel Head Squeezer Tong

This device closes government or box lock slip connections on ductwork or other standing seam. Swivel head permits vertical or horizontal use. No hammering required.—Reiner & Campbell Co., Inc.

317 Technical Data on Solders

Brochures available include data on resistance of solders to vibration, the melting point of all solders, and charts and tables on the length of solders per pound per alloy.—L. B. Allen Co. Inc.

318 Twelve Ton Press

BT-12 circular features the 12 ton press, including prices, terms and press specifications with drawings. Metal working milling attachment and other press models are also shown, with prices.—Alva Allen Industries.

319 Twenty-five Ton Press

Folder lists prices and specifications, with drawings, for the BT-25 25 ton press. Accessories also listed.—Alva Allen Industries

320 Universal Clip Punch

Universal clip punch for use on air conditioning ducts, standing seams, etc. completes lock in one operation. The action of closing and opening the handles punches through three sheets of 20 ga mild steel, flattens out the lug and squeezes metal together.—Thor Tool & Die Co.

321 Vacuum Cleaner Attachments

Form JB-6 is a tool and accessory catalog listing almost 100 different attachments for commercial vacuum cleaners.—Pullman Vacuum Cleaner Corp.

322 Vacuum Cleaner Hose

Vacuum cleaner hose, including a line to fit all furnace vacuum cleaners, is described. Guaranteed duplication of any hose with fast delivery.—Mastercraft Industries Inc.

323 Vise Jaws

These clipper vise jaws have a fiber face to protect delicate surfaces. Available in sizes 3 to 6 in. Prices listed.—Johnson Ladder Shoe Co.

324 Welders

Twelve page booklet provides descriptions of line of welders and accessories.—Miller Electric Mfg. Co., Inc.

Motors & Pumps

325 Belted Fan and Blower Motors

Bulletin GEC 858C, two pages, describes belted fan and blower motors with ratings and sizes listed for the single and two-speed fractional hp motors. Typical speed-torque curves shown, as well as construction features.—General Electric Co., Apparatus Sales Div.

326 Close-Coupled Pump Motors

Four page bulletin 1455 covers close-coupled pump single and three phase motor line. Describes various motor types and explains close-coupled pump motor construction. Close coupled and "Pacific Coast" pump motor dimensions included.—Century Electric Co.

327 Condensate Units

Condensate pumps for air conditioning described in LG-CDC-61. Shallow pan tank models use waterproof mercury switch, are designed for ceiling mounted air conditioners and other units when minimum height is important. Largest model capable of delivering 100 gph at 26 ft.—Little Giant Pump Co.

328 Electric Motors

Electric motor line, 1/100 to 40 hp, in name brands are featured in motor book 294, recently published. Also included are fans, fan parts, blowers, pumps, power tools, compressors, etc.—W. W. Grainger, Inc.

329 Fractional Horsepower Motors

Twelve page bulletin 1-1P1 is on industrial quality fractional hp, 48 and 56 frame, 1/20 to 1 hp motor line. Features of open and totally enclosed motor construction discussed, as well as electrical types and characteristics and mechanical variations. Ratings and dimensions included.—Century Electric Co.

330 Motor Application Guide

Bulletin 010 is a 1961 motor application guide of 1/20 to 500 hp polyphase, single phase and direct current motors. Two selection charts included to match motors to specific applications. Motor line is discussed as well as single and three phase motor characteristics, gearmotors, d-c motors, selective speed drives.—Century Electric Co.

331 Oil Burner Motors

Bulletin GEC 975D, two pages, discusses fractional hp motors for domestic oil burners. Describes features of type KH, split-phase 1/12 through 1/4 hp motors and type KC, capacitor-start 1/3 hp motors.—General Electric Co., Apparatus Sales Div.

332 Plastic Vertical Pump

Vertical type "Goode" pump made of plastic material to resist corrosion action is described in form GV-30-60. A specially designed air cooled motor insures long life. This pump will deliver 260 gph at 1 ft head.—Little Giant Pump Co.

Handy reply card is on page 2-35.

Refrigeration — Valves, Controls, Refrigerants & Instruments

335 Dehydration of Cooling Units

Catalog supplement S-60 describes 27 new products, including instruments, equipment and new model high vacuum pumps. Features technical information on dehydrating and degassing cooling units under high vacuum. Instrument section explains new concept of using "full range" vacuum gage for dehydration of cooling units.—Airserco Mfg. Co.

336 Refrigerant Compounds

B-2 is a general bulletin on the properties and applications of "Freon" refrigerants. A table of physical properties and a vapor pressure chart for several commercial and semi-commercial products are included.—E. I. du Pont de Nemours & Co., Inc., Organic Chemicals Dept.

337 Refrigerant Leak Detection

The use of "Freon-12" for detecting leaks is discussed in bulletin B-35, as well as methods of detection and the calculation of "Freon-12" air mixtures.—E. I. du Pont de Nemours & Co., Inc., Organic Chemicals Dept.

338 Refrigerant Service Cylinders

Refrigerant-22 is available in new lightweight blue cylinders. Save time, easy to handle. Liquid and gas charging heads. Valve wheels attached. New finger-operated valve outlet nuts eliminate use of wrenches. Space saved by stacking. Sizes: 15, 25, 50 lb.—Pennsylvania Engineering Co.

339 Refrigerant Valves

Section 171-56 gives operating, application, specification and selection data on T series "Thermo" valves for refrigerants 12, 22, 500, etc. Available with selective charges for air conditioning, commercial and low temperature ranges in capacities from 1/2 to 50 tons R-12, 1 to 81 tons R-22, and 3/4 to 62 1/2 tons R-500. Come-apart construction and both angle and straight-through connections featured.—Alco Valve Co.

333 Pumps for Air Conditioning

Line consists of smallest model 1-A, 130 gph, to model 4-1R, 675 gph at 1 ft heads. Motors sealed in oil, never require lubrication. All can be operated in submerged applications. Applications include air conditioning, ice machines, milk can coolers, evaporative coolers, beverage dispensing equipment.—Little Giant Pump Co.

334 Summer-Cooling Fan Motors

Bulletin GEC-1229B discusses fractional hp motors for summer-cooling fans. Ratings and sizes listed for split-phase type KH, capacitor-start type KC two-speed 50 C rise motors. Typical speed-torque curves given.—General Electric Co., Apparatus Sales Div.

340 Removing Refrigerants from Containers

Bulletin B-11C, "Handling of One-Ton Containers of 'Freon' Fluorocarbon Compounds," explains methods of removing these products from ton containers by heating and by pumping. Removal of vapor is also discussed.—E. I. du Pont de Nemours & Co., Inc., Organic Chemicals Dept.

341 Reversing Refrigerant Valves

Catalog 608.463 has specifications, diagrams and features of all metal construction type KV44 four way reversing valve for control of refrigerants in reverse cycle air conditioning systems (heat pump) and hot gas defrost applications. Valve is hermetic with full ported poppet type pilot valve and plastic encapsulated coils.—General Controls Co.

342 Solenoid Valves

Section 173-61 is a newly revised bulletin containing application, specification and selection data on solenoid valves for refrigerants 12, 22 and 500 for liquid, suction and hot gas discharge service. Take-apart construction in full range of capacities and connection sizes featured.—Alco Valve Co.

343 Thermostatic Expansion Valves

Bulletin 48 covers installation, field service and assembly of thermostatic expansion valves. Helpful to installer and servicer of air conditioning and refrigeration systems.—Sporlan Valve Co.

344 Valves

Condensed catalog 58 has easy-to-read format and is SAE punched for convenient filing. Contains listing of product line, along with useful specification information.—Sporlan Valve Co.

• See the index on the front cover of this supplement to *American Artisan* for the classifications of products under which this literature is listed.

345 Valves, Regulators and Controls

Catalog contains installation, application, tabular and descriptive information for sizing and selecting thermostatic expansion valves, refrigerant distributors, solenoid valves, suction line regulators, hot gas bypass valves, float switches, high side float valves, evaporator controls and reversing valves for all refrigerants and all types of applications.—Alco Valve Co.

Registers, Grilles & Diffusers

346 Air and Light Distribution

Line of engineered air distribution products described in booklet F-4471-8. Ceiling, sidewall, and sill diffusers, including continuous line models. Single duct, double duct, and under window high velocity units described. Two versions of combination light and air diffusing troffers listed.—Barber-Colman Co.

347 Air Conditioning Registers and Grilles

"Air-Vane" bulletin presents styles and sizes (with list prices, construction details) of multi-deflection and single deflection commercial grilles with individually adjustable or fixed vanes; also available with opposed blade dampers or multiple louver dampers.—Rock Island Register Co.

348 Aluminum Registers and Grilles

Aluminum registers and grilles made of rigid corrosion resistant extrusions acrylic coated to make them impervious to salt air constitute the "Royalaire" line. Single and double deflection registers, grilles and ceiling diffusers provide any desired deflection, control of air flow. Accurate engineering data.—Hart & Cooley Mfg. Co.

349 Ceiling Diffusers

Improved versions of "Venturi-Flo" round ceiling diffuser may be selected from catalog F-4085-7. Performance data aids and simplifies selection. New adjustment mechanisms and easier removal of inner assembly for installation featured.—Barber-Colman Co.

350 Ceiling Diffusers

Bulletin describes step-down and flush type ceiling diffusers, round and square models. Also includes round and square ceiling dampers, knob and screwdriver operated. List prices, free areas, dimensional data provided.—United States Register Co.

351 Combination Light and Air Diffusers

Booklet F-9768 features combination light and air diffusing troffers. Both enclosed and louvered troffers are available to integrate the two functions, combining form and function for modular ceiling construction.—Barber-Colman Co.

352 Curved Blade Supply Grilles

Four page bulletin features "Air Mate's" curved blade supply grilles with new one piece frame

that eliminates corner seams, and the curved extruded aluminum blade which is individually adjustable. Available with opposed blade dampers or multi-shutter dampers. Eighteen styles.—Dry Mfg. Co.

353 Extruded Aluminum Diffusers

Sixteen page catalog ES-105 describes new extruded aluminum "Stripline" slot type diffusers. Includes engineering data, selection and sizing procedures, application data, dimensions. Made in three distinct styles and two types of mounting frames with removable cores.—Air Devices Inc.

354 Extruded Aluminum Grilles

Technical catalog LD-100 contains performance data, selecting and sizing methods for "Agitair Decoraire" extruded aluminum grilles in 12 sizes with three degrees of deflection (0, 15 and 25 deg) and in widths of 1½, 2, 3, 3½, 4 and 6 in. Catalog shows modern design extruded aluminum borders.—Air Devices Inc.

355 Forced Air Grilles and Gravity Registers

Catalog 61 covers replacement forced air grilles in gravity type frames and the service of odd measurement replacement intakes. Also contained is data on a line of forced air and gravity registers.—Rock Island Register Co.

356 Grilles, Registers, Diffusers

Twenty-two page catalog 59 lists a variety of "Atlas" grilles, registers and diffusers for heating and cooling. Constructed of heavy gage steel. Dimensions, specifications, prices and diagrams provided.—J. B. Smith Co.

357 Ornamental Grilles

Catalog G shows the various designs of ornamental grilles made to order according to specifications. Available in plain carbon steel, bronze, brass or aluminum. Information provided on free area and maximum thickness of metal.—The Auer Register Co.

358 Perimeter Base Diffusers

"Super" base diffusers produced in 2 and 4 ft lengths which with connectors may create any desired length of which 2 ft is a multiple. Separate pipe to each diffuser, or with end caps removed may be used as a continuous run. Form 101 also lists floor registers, diffusers and toe plates.—United States Register Co.

359 Perimeter Register

No. 56 perimeter "Out-O-Wall" 19 in. diffuser is used for residential heating and cooling installations. Informative bulletin includes other perimeter types of registers.—Rock Island Register Co.

360 Registers

The 700 series registers include a new multiple valve or single damper. For heating and cooling. Used in sidewall, baseboard or ceiling. One piece face. Baked ornamental gray finish.—Standard Stamping & Perforating Co.

361 Registers and Grilles

New products for perimeter heating and new items in the commercial line pertaining to "Fabrikated" construction are listed in new catalog 61.—The Independent Register Co.

362 Registers, Grilles and Diffusers

Catalog 60-AC gives engineering data, sizes and list prices of more than 100 different registers, grilles and diffusers. Selection charts facilitate choice of proper sizes for maximum efficiency. Installation aids such as smoke generators, sheet metal screws and installation frames included.—Air Control Products, Inc.

363 Registers, Grilles and Diffusers

Catalog consists of bulletins on registers, grilles, and diffusers for residential and commercial installations. List prices given for various designs, sizes and finishes. Designs for gravity and forced air heating and for both heating and cooling installations. Clothes chute doors in two designs and sizes with various finishes.—The Auer Register Co.

364 Registers, Grilles and Diffusers

Twenty-eight page catalog describes line of heating and air conditioning registers, grilles and diffusers. Full line of residential and commercial units, with engineering data and selection charts. Covers flexible fin type and adjustable bar grilles and registers; square, rectangular and round diffusers.—Dry Mfg. Co.

365 Registers, Grilles and Diffusers

Catalog C describes registers, grilles and diffusers for all types of domestic and commercial heating and cooling installations. Line of furnace accessories also shown. Accurate engineering data included.—Hart & Cooley Mfg. Co.

366 Registers, Grilles and Diffusers

Forty-four page catalog lists heating-cooling registers, grilles and diffusers. In addition to eight new models introduced in a range of sizes, engineering data is provided to help in designing perimeter systems; sizing and location of registers, grilles and diffusers; conversion of cfm into Btu per hr at varying temperatures, etc.—Lima Register Co.

367 Registers, Grilles and Diffusers

Catalog A, 64 pages, gives comprehensive coverage of line of registers, grilles, diffusers and accessories for residential and commercial warming and cooling air conditioning. Sizes, weights, selection tables and prices listed.—United States Register Co.

368 Register, Grille, Diffuser Engineering File

Engineering file E-58 consists of lined drawings of various styles of registers, grille, and diffusers; also gives performance data. Technical and engineering information useful in making layouts. Lined drawings are identified by plate numbers and will be furnished upon request.—The Auer Register Co.

369 Rotating Diffusers

Eight page catalog RJ-100 covers new series of "Roto-Jet" diffusers designed for extremely long blows in large interior spaces. Units have individually adjustable vanes and rotating cylinder. All aluminum construction. Performance data, dimensions, suggested applications included.—Air Devices Inc.

When you use the reply card on pages 2-35 and 2-36 to request the literature you want, please circle clearly the corresponding item number on the card for each catalog or bulletin to be sent to you.

Sheet Metal & Sheet Metal Products

370 Aluminum Building Products

In-plant display, "House of Easy Living," open to visitors. Literature available on aluminum shingles, storm windows and doors, soffit, roofing, chimney caps, flashing, shutters, car ports, louvers, siding, fireplaces, nails.—Souther Steel and Aluminum Co.

371 Aluminum Rain Carrying Products

Form 602-0 is a four page folder containing illustrations, descriptions, sizes, weights, and

packing information on "Milcor" aluminum gutters, conductor pipe and accessories.—Inland Steel Products Co.

372 Aluminum Sheets, Products

Coiled and flat sheet of Reynolds aluminum, along with roofing, siding, roof deck and insulated wall system of aluminum covered in 20 page bulletin 30-1. Includes sizes, types, tempers in stock for prompt shipment. Embossed, expanded and perforated aluminum sheet listed and described. Various cutting and other services available.—Joseph T. Ryerson & Son, Inc.

373 Architectural Sheet Metal Specifications

Booklet on copper for building construction contains architectural specifications for roofs, flashing, cornices, gutters, valleys and other sheet metal work.—Revere Copper and Brass Inc.

374 Cleaning Stainless and Monel

Literature describes how to clean and polish stainless steel and monel.—L.B. Allen Co., Inc.

375 Color Coatings on Stainless

Now available is wide range of durable, low cost applied color coatings on stainless steel. Eleven standard colors chosen for harmony and have been tested under exposure to weather, temperature, chemicals, physical abuse. Can be severely formed without damage to coating. Available in coils or sheets up to 48 in. wide, popular gages.—Washington Steel Corp.

376 Conductor Elbows and Shoes

Elbow and shoe chart shows different sizes, styles and angles. These are precision formed on automatic machinery and hot-dipped in zinc after formation. Available in all materials, including galvanized sheet steel.—The Cincinnati Elbow Co.

377 Conductor Pipe Wall Chart

Chart for office or warehouse wall is printed on 12 by 20 in. heavy cardboard and illustrates all styles and angles of conductor pipe elbows, cut-offs and funnels. Facilitates ordering and installation of these products.—Galvan Mfg. Co.

378 Continuous Line Zinc Coated Steel

Booklet covers "Weirkote" continuous line hot dipped zinc coated steel. Assures weather protection of a zinc coating that remains intact through any fabricating operation.—Weirton Steel Co.

379 Copings

Use of "MicroRold" stainless provides a permanently impervious wall cap eliminating through-wall flashing immediately below it and later periodic pointing and caulking. Offers immunity to attack by masonry and mortar; has low expansion rate. Also available in "Color-Rold" finishes with choice of matte colors.—Washington Steel Corp.

380 Copper-Alloyed Galvanized Steel

"SoftTite Cop-R-Loy" galvanized sheets for air conditioning ducts and other applications are described in bulletin C-255. Tells how and where this product has been used, and describes its manufacturing process.—Wheeling Corrugating Co.

381 Copper and Brass Products

Thirty-two page stock list catalog lists sizes of sheet, roll, strip, rod, wire, tubing, pipe, roofing materials and other related copper and brass products, with applicable gage and weight data.—C. G. Hussey & Co. (Div. of Copper Range Co.)

382 Corrugated Sheets

"Hi-Cor" corrugated sheets are available in custom lengths in high strength $\frac{7}{8}$ in. depth industrial corrugation. Sheets cut to order in any lengths up to 40 ft.—Moncrief-Lenoir Mfg. Co.

383 Elbows and Shoes

Wall chart describes line of one piece conductor elbows and shoes in 28, 26, 24 ga galvanized steel, copper bearing steel, "Armco" ingot iron. Hot dipped and galvanized after formation. Stainless steel, 1X 40 \pm terne, copper, lead coated copper, zinc, aluminum, mill or embossed finish. Galvanized sheet, bonderized elbows and shoes ready for painting.—The Ferdinand Dieckmann Co.

384 Electrolytic Zinc Coated Sheets

"Weirzin" electrolytic zinc coated sheet for painted or unpainted parts where weather protection is necessary described in booklet. Will form or draw without chipping or flaking the tight zinc coating.—Weirton Steel Co.

385 Expanded Metal

Eight page booklet WC-227 describes the functional and decorative uses of expanded metal in residential, commercial and industrial installations. Sizes, weights, style designations and other buying information are provided.—Wheeling Corrugating Co.

386 Galvanized Sheet Steel Wall Chart

Grommited wall chart (Card 232) contains such data as bundling and weight tables, thickness equivalents, dimensional data on flat and formed galvanized sheet steel products.—Bethlehem Steel Co.

387 Gutter Installation Instructions

Instruction booklet 73-11501 on installing aluminum gutters and downspouts describes proper use of the exclusive rivseal method, free-floating hanger system and new neoprene expansion joints. New pre-painted white gutter and downspout are shown.—Alcoa Building Products, Inc.

388 Gutter Seam Sealer

Waterproof sealer for pop riveted or bolted seams, all metals, covered in pamphlet 224. Not a caulking compound. Will not become brittle. Packed in 1/10 gal cartridge for drop-in caulking gun. Aluminum pigmented.—Gary Steel Products Corp.

389 Perforated Metals

Stock list of industrial and decorative perforated metals offers wide line of perforated patterns, available for immediate shipment from stock in 36 x 120 in. sheets of several gages of steel.—The Harrington & King Perforating Co., Inc.

390 Perforated Metals

Perforated metals used in manufacture of basic farm, mining, electronic and manufacturing machinery, hammer mill screens, sugar refining, processing machinery. Screens for grading coal,

gravel and sand also made of these perforated metals, as well as machine guards, enclosures, soundproofing, furniture, decorative accessories. Presents solutions to design problem.—Standard Stamping & Perforating Co.

391 Pre-Painted Gutters and Downspouts

New pre-painted white gutter and downspouts are covered in bulletin 73-11422. Explains advantages of new water carrying system. Exclusive rivseal method of sealing, tough "Alumalure" finish, free-floating hanger system, and "Alclad" protection featured.—Alcoa Building Products, Inc.

392 Rain Carrying Equipment

Five inch custom-made gutter — galvanized, aluminum, stainless, copper, "paintgrip" — in any length. Three inch square corrugated conductor pipe — galvanized, aluminum, copper, stainless, "paintgrip" — in any length.—Southern Steel and Aluminum Co.

393 Roof Drainage Products

Four page booklet BP-359 on full line of roof drainage products such as gutter, downspout, elbows and accessories. Also contains architectural specifications for stainless and galvanized steel roof drainage applications.—Republic Steel.

394 Roofing Metal

Booklet describes terne roofing metal in standing, batten, bermuda or flat lock seam installations; gutters, downspouts, valleys and flashings. Needs no special treatment, reflective, allows freedom of design, solders easily. Specifications given.—Follansbee Steel Corp.

395 Stainless Sheet and Strip Design Manual

New 34 page manual provides design data on stainless sheet and strip. Helps selection of right stainless for specific applications. Covers mechanical properties, fabrication information, corrosion data, conversion tables, other subjects. Easy-to-use form.—Jones & Laughlin Steel Corp.

396 Sheet Metal Newspaper Mat Catalog

New catalog EM-1 is offered to dealers handling "Milcor" products. In it are shown all the product illustrations that can be furnished in newspaper mat form for dealers to use in local advertising.—Inland Steel Products Co.

397 Sheet Metal Products Reference

Catalog 300-a contains product and installation data on "Milcor" sheet metal products. Included are descriptions of roof drainage products, building specialties, sheets and roofing ventilators and heating and air conditioning products.—Inland Steel Products Co.

398 Snow Guards

Information features two new snow guards designed for use on corrugated metal or asbestos cement roofs. Both tested and proved under severe conditions on installations in the Canadian Rockies.—David Levow, Inc.

399 Stainless Architectural Applications

Twenty page bulletin Adv. 1085R emphasizes architectural applications of stainless steel, with additional references to galvanized steel roofing, roof drainage products, galvanized sheets, and "Electro Paintlok" sheets.—Republic Steel.

400 Stainless Fabrication

Twenty-four page manual presents fabricating information for sheet metal and sign shops, from cutting to cleaning. Also describes some of the over 50 standard and special grades of the manufacturer's stainless. Corrosion and heat resistance, strength featured.—Armco Div., Armco Steel Corp.

401 Stainless Steel Flashings

File contains samples and technical information on stainless steel flashings for walls and roofs. Non-corrosive and compatible with masonry and architectural metals. Can be soldered in light gages; has less expansion and contraction. Specifications listed. Diagrams of actual installations included.—Washington Steel Corp.

402 Stainless Steels

Forty-eight page booklet gives analysis, applications and specifications of four types of stainless: chromium-nickel, ferritic chromium, martensitic chromium and precipitation-hardening types. Explains properties with corresponding tables. Describes briefly various fabricating operations, ebonizing and electropolishing.—Armco Div., Armco Steel Corp.

403 Stainless Steel Sheets

Thirty-two page brochure gives information on analyses, finishes, corrosion resistance to various media, fabrication, weights and uses of Allegheny stainless steel sheets available for immediate shipment from stock.—Joseph T. Ryerson & Son, Inc.

404 Stainless Steel Wire Design Manual

New 20 page manual gives design data on stainless steel wire. Provides easy selection of the right stainless for specific applications. Subjects include mechanical properties, applications, laboratory corrosion data, standard gages.—Jones & Laughlin Steel Corp.

405 Steel Base for Floor and Roof Slabs

Catalog WC-250-B describes features and gives technical data for "Tensiform" steel base for floor and roof slabs. Designed to speed construction to permit early occupancy. Load tables, deflection charts, welding and clipping information and suggested specifications included.—Wheeling Corrugating Co.

FOR YOUR CONVENIENCE

Use the handy postage-paid reply card on pages 2-35 and 2-36 to request your copies of the trade literature reviewed here.

406 Steel Selector Chart

Eight page bulletin Adv. 1168R contains stainless steel selector chart, also information helpful to sheet metal fabricators in selecting other steel sheets, such as electrical steels, high strength steels, titanium, continuous hot dip galvanized, and "Electro Paintlok" sheets.—Republic Steel.

407 Steel Sheets and Strip

Eight page buyers' guide 20-1 lists and briefly describes more than 20 kinds of flat rolled steel available for immediate shipment. Suggestions given for selecting best stock for each application. Latest facts on cutting and other service facilities included.—Joseph T. Ryerson & Son, Inc.

408 Steel Sheet Wall Chart

Wall chart (Card 231), with grommets, tabulates useful dimensional and weight data for hot- and cold-rolled steel sheets, including manufacturers standard gage and bundling and weight tables.—Bethlehem Steel Co.

• Be sure to include your name and address when you use the reply card to request copies of these bulletins.

409 Steel Warehouse Services

Brochure entitled "Extra Values" outlines the many services rendered by steel warehouse in taking care of the varied requirements of users for cold rolled, hot rolled and galvanized sheets, coils and strips.—Great Western Steel Co.

410 Woven Wire Cloth

Bulletin 160 describes industrial wire cloth and screen, illustrates weaving and fabricating facilities, outlines specific data for ordering. Included are specification tables and illustrations of square mesh wire cloth and square opening space cloth. Reference data section is incorporated.—The Cleveland Wire Cloth & Mfg. Co.

411 Zinc-Coated Steel

Thirty-six page booklet features "Zincgrip" and "Zincgrip Paintgrip." Former made of hot-dip pre-coated steel. Zinc flows with steel base when fabricated, won't flake. Supplied in sheets up to 60 in. wide and in coils as wide as 51 in. "Paintgrip" can be formed and painted without pretreatment. Bonderized finish preserves paint.—Armco Div., Armco Steel Corp.

Sheets & Panels, Non-Metal

412 Corrosion Resistant Panels

A new corrosion resistant material for use in chemical environments is described in eight page brochure, which also includes a chart showing chemical resistance of CR panels to most chemicals.—Resolite Corp.

413 Industrial Daylighting

"Alsynite" fiber glass translucent sheet for industrial daylighting described in literature. Guaranteed 10 years. Corrugated and flat sheets with superglazed surface, clear and in colors.—Moncrief-Lenoir Mfg. Co.

414 Security Panel

The functional and decorative building material featured in brochure is a flat sheet of polyester resin, reinforced with both a mat of fiber glass and a heavy gage expanded steel. Technical information and suggested specifications included.—Resolite Corp.

415 Translucent Fiber Glass Panels

Four page brochure gives technical and specification data and information on security panel, standard panels, foil glass and "Fire-Snuf."—Resolite Corp.

Winter Air Conditioners, Furnaces & Heaters

416 Cast Iron Coal Furnaces

Cast iron coal furnaces are described in literature. Twenty year warranty furnished. Sizes from 19 in. to a 33 in. firepot.—XXth Century Heating & Ventilating Co.

417 Cast Iron Gas Fired Furnaces

The 60C series cast iron gas fired units are available in five sizes with full cast iron heat exchanger and flue manifold. Also available with full modulating gas controls. Catalog pages and specifications available.—Niagara Furnace Div., The Forest City Foundries Co.

418 Cast Iron Gas Furnaces

Descriptive literature on cast iron gas furnaces with unconditional life-time guarantee. Sizes from 87,500 to 240,000 Btu.—XXth Century Heating & Ventilating Co.

419 Cast Iron Oil Furnaces

Descriptive literature covers cast iron oil furnaces with 20 year warranty. Sizes from 0.75 to 1.50 gph.—XXth Century Heating & Ventilating Co.

Use the handy postage-paid reply card on pages 2-35 and 2-36 to request copies you want.

420 Circular Unit Heaters

Bulletin provides information on 360 circular design overhead unit heater with sealed combustion. Blends with modern decor. Includes data on two models: "Radial-Flo" distributes warm air outward and downward to floor; "Down-Blo" forces warm air directly to floor. Two sizes in each model, 85,000 Btu per hr, 115,000.—Norman Products Co.

421 Coal Fired Furnaces

Manufacturer produces over 50 models of coal fired furnaces from 20 to 36 in. in gravity and forced air types. Two page brochure 409 deals with cabinet type forced air unit and round gravity furnace.—Hall-Neal Furnace Co.

422 Commercial and Industrial Manual

1961 commercial and industrial manual has specifications, prices, installation and engineering data on broadened lines of commercial-industrial gas and dual-fuel conversion burners, commercial cast iron gas and oil boilers, and propeller and blower type gas unit heaters.—Roberts-Gordon Appliance Corp.

423 Dealer Promotional Guide

"Which Twin Has the I-P?" is a 6 page promotional guide for the installing dealer. Illustrates positive steps for dealer identification in the community and opportunities for business promotion. Written in a light vein but with successful merchandising experience behind it.—International Heater Co.

424 Direct Fired Unit Heaters

Gas, light oil, heavy oil and combinations available in direct fired furnaces. Capacities from 400,000 to 2,000,000 Btu. AGA and Underwriters approved. Units can be installed in inverted, upright, or horizontal positions. New "Uni-Fuel" burners available on all sizes. Burner specifically engineered to fire economically.—York-Shipley, Inc., Jackson & Church Div.

425 Direct Gas Fired Heaters

Line of direct gas fired heaters is described in catalog EN-5900. Information is given on unit heaters, propeller fan and centrifugal fan types, in sizes of 25,000 to 300,000 Btu. Also covered are duct furnaces and the "Venter," a motorized flue exhauster.—Reznor Mfg. Co.

426 Electric Ducted Warm Air

Folder describes benefits of ducted installation if electricity is choice of fuel. Unit with positive sequence timer is also covered.—Janitrol Heating & Air Conditioning, A Div. of Midland-Ross Corp.

427 Electric Furnace

New multi-position electric furnace with "Dyna-focal" mounted blower and modulating control is explained in four page selection folder A-714A.—The Coleman Co., Inc.

428 Electric Heating Equipment

Glass panel and tube type infra-red electric heaters for residential, commercial construction, industrial and farm uses described in "Sun-Heat" four page catalog. Portable units for industrial and construction use have capacities from 1500 to 4000 watts.—Insto-Gas Corp.

429 Electric Heating Manual

Thirty-six page work manual on electric heat applied to the forced air system of heating and air conditioning. Covers required insulation, figuring heat loss and cost comparisons, humidity and condensation, tips on selling electric heat.—The Majestic Co., Inc.

430 Floor Furnace

Oil fired, compact, "Miami" forced air floor furnace has instant electric ignition. Gun type burner eliminates servicing problems. Has 14 ga heat exchanger. Comes fully automatic and factory assembled.—Gross Furnace Mfg. Co. Inc.

431 Forced Air Electric Furnaces

Form P-111 covers new "Golden Seal" quality forced air electric furnaces. Gives full specifications, temperature rise chart, capacity ratings for line voltage drop, minimum conduit sizes and cabinet dimensions.—Peerless Corp.

432 Furnace Dealer Sales Aid

Six page booklet tells "Victor Fin Deluxe" gas and oil sales story. Designed for dealer use in a sales presentation. Explains furnace operation, lists features, including patented "Fins" which can increase fuel economy by 30 percent. Discusses new modulated gas heat.—Hall-Neal Furnace Co., Inc.

433 Furnaces, Air Conditioners

FL-S folder shows manufacturer's line of gas, oil or coal fired furnaces, industrial furnaces and air cooled summer air conditioners.—Armstrong Furnace Co.

434 Furnaces, Air Conditioning

WF-2 folder gives information on manufacturer's line of oil, gas and coal fired furnaces, as well as air cooled summer air conditioning equipment.—Williams Oil-O-Matic Heating Co.

435 Furnaces, Heaters, Air Conditioners

New "Package for Profit" incorporates fact file folder containing catalog sheets describing latest models of manufacturer's residential gas and electric water heaters, air conditioners, furnaces, wall heaters, etc. This reference file will be kept current by the manufacturer.—Pioneer Mfg. Co.

436 Gas and Electric Water Heaters

"Vit-Rock" water heaters with exclusive stone lining are described in illustrated specification folders A-810G (gas) and A-833 (electric).—The Coleman Co., Inc.

See pages 2-35 and 2-36 for convenient reply card

437 Gas and Oil Fired Furnaces

Bulletin 903 covers gas and oil fired industrial furnaces sized from 200,000 to 450,000 Btu for use in commercial and industrial establishments, churches and schools.—Armstrong Furnace Co.

438 Gas and Oil Furnaces

C series furnaces feature a deluxe line of efficient gas and oil units.—The Meyer Furnace Co.

439 Gas and Oil Furnaces

The J series furnaces are a line of equipment comprising 27 gas models, 21 oil, in lo-boy, hi-boy, counterflow and horizontal styles. Matched cooling equipment optional.—The Meyer Furnace Co.

440 Gas and Oil Furnaces

Two separate pieces of literature. "Gasaver/Oilsaver" pamphlet describes 20 year guaranty furnace and unique two stage operation of the "Gasaver" burner. "Super Series" furnace literature covers 10 year guaranty line.—The Williamson Co.

441 Gas and Oil Tubular Furnaces

Gas and oil fired "Powerated" tubular series furnaces available in capacities from 208,000 through 3,800,000 Btu output in one line. Units for large residential and small commercial installations on up through largest industrial capacities can be selected from this series.—York-Shipley, Inc., Jackson & Church Div.

442 Gas Basement Winter Air Conditioners

Four page brochure HBEG-60 gives specifications on deluxe and economy gas basement winter air conditioners, including description of special features.—Heil-Quaker Corp.

443 Gas Fired Furnaces

Folder numbered GL-5 describes new 700 series gas fired furnaces available in basement, up flow and counterflow models. These compactly designed and highly styled furnaces are available in sizes from 60,000 to 160,000 Btu.—Armstrong Furnace Co.

444 Gas Fired Furnaces

Brochure describes upflow and reverse flow series of "Mor-Sun" gas fired automatic warm air furnaces. Explains advancements and features. Dimensions and capacities included.—Morrison Steel Products, Inc.

445 Gas Fired Furnaces

Bulletin GFL-A describes "Gas-O-Matic" line of up-flow; down-flow and horizontal flow furnaces. Dimension and specification data included.—Williams Oil-O-Matic Heating Co.

446 Gas Fired Hot Water Boilers

These units have been installed in large New England community developments. Domestic hot water coil gives instantaneous supply of hot faucet water. No storage tank needed. Ten year warranty on heat exchanger plus manufacturer's guarantee on parts and workmanship.—York-Shipley, Inc., Residential Div.

447 Gas Fired Low-Boy Furnaces

Literature gives information on GF6 series gas fired low-boys available in 100,000; 120,000; 140,000; 160,000; and 200,000 Btu inputs. Units feature low overall height for addition of cooling with ample room for ducts in low ceiling areas. Belt-driven blowers sized for ample air capacity for air conditioning.—Lennox Industries Inc.

448 Gas High-Boy

This series consists of eight models, 75,000 to 200,000 Btu per hr capacities. Compact and efficient, with accessible motor and blower. Easily adapted to air conditioning.—Burnham Corp.

449 Gas Low-Boy

Four models are contained in this series of 100,000 to 150,000 Btu per hr capacities. Ideal for basement installation, with no headroom problems, as height is only 39 $\frac{3}{4}$ in.—Burnham Corp.

450 Gas, Oil Heating Units

General catalog presents line of unitized heaters as handy reference for application to various commercial heating and cooling requirements. Adaptable to any installation specifications, these packaged units deliver from 150,000 to 3,000,000 Btu with air volumes from 1600 to 25,000 cfm. Includes data on roof mounted units.—Tjernlund Mfg. Co.

451 Gas Salamanders

Four models of "Insto-Hot" LP-gas salamanders with capacities from 70,000 to 150,000 Btu per hr are featured in four page catalog, as well as two models of blower heaters with 130,000 Btu per hr; also three models of infra-red LP-gas heaters with cylinder car, cylinders and accessories.—Insto-Gas Corp.

452 Gas Unit Heaters

Line of 160-1 suspended gas fired units fit wide variety of light commercial and industrial applications. Available in nine sizes from 25,000 to 225,000 Btu inputs. Shipped completely factory assembled, prewired and field tested. Feature new "Resistal" aluminized steel heat exchangers for protection against atmospheric and combustion corrosion.—Mueller Climatrol, Div. of Worthington.

453 Gas Unit Heaters and Duct Furnaces

Catalog GH-1 on gas unit heaters and duct furnaces from 25,000 to 300,000 Btu per hr; larger in multiples. Aluminized or stainless steel heat exchangers. Duct furnaces AGA approved for installation downstream of cooling coils. "Make-

• See the index on the front cover of this supplement to *American Artisan* for the classifications of products under which this literature is listed.

When you make use of the handy reply card on pages 2-35 and 2-36 to ask for copies of the catalogs, bulletins and other data reviewed here, please type or print your name and address clearly so that the information you want can be sent you without delay. And don't forget to include your name and address on the card!

up air" units available. Options include dual fuel, modulation, two stage adjustable air bypass sections.—Hastings Air Control, Inc.

454 Gas Upflow Furnace

Brochure describes GH6 series gas upflow furnace, a modification of an earlier GH style furnace. Major change is reduction in height, permitting addition of cooling coil and still allowing installation through 80 in. door. Blower motors powered through four-tap speed controller with two position switch, giving any two of four speeds.—Lennox Industries Inc.

455 Gravity Furnaces

Four page booklet 411 covers gas and oil models of lower cost "Victor" furnaces featuring exclusive "Fins" which can increase fuel economy 30 percent, five sided radiator, advanced heat exchanger. Made of quality construction and materials. Describes new, modulated gas burner.—Hall-Neal Furnace Co.

456 Horizontal Gas Furnace

Product bulletin describes "Southerner" forced air, gas fired furnace. Compact in size, flexible in location. Offers 101 commercial, industrial and residential applications. Available in five sizes, 70,000 to 140,000 Btu per hr.—Norman Products Co.

457 Horizontal Oil Furnace

Form T-8281 details fuel economies with horizontal oil furnace. Also explains why the furnace (residential, light commercial) produces an instantly clean flame which stays clean throughout the firing cycle.—Silent Automatic Products.

458 Infra-Red Gas Heating

Descriptive data provided on new infra-red heating system for commercial-industrial applications such as greenhouses, warehouses, factories, loading docks, garages, hangars, snow and ice removal, etc. Completely sealed and vented; 90 percent efficiency.—Roberts-Gordon Appliance Corp.

459 Oil and Gas Furnaces

Condensed catalogs cover line of oil and gas furnaces featuring exclusive "Electro-Magic Regulaire" control system. Oil upflow, counterflow, horizontal and wall furnaces in capacities 65,000 to 250,000 Btu. Gas upflow, counterflow, lo-boy, horizontal, wall furnace and wall heater in 75,000 to 200,000 Btu capacities.—Perfection Div., Hupp Corp.

460 Oil and Gas Winter Air Conditioners

Six page brochure AC-415 shows assembled gas units, explains sales features, gives dimensions and specifications. Similar brochure available for oil fired units.—American Radiator & Standard Sanitary Corp., Air Conditioning Div.

461 Oil Fired Furnaces

Brochure describes upflow and reverse flow series of "Mor-Sun" oil fired automatic warm air furnaces. Explains advancements and features. Dimensions and capacities shown.—Morrison Steel Products, Inc.

462 Oil Fired Furnaces

Form P-105 introduces newest addition to oil fired line of highboy and counterflow furnaces. Special emphasis on eight features. Lifetime guarantee offered on wrap-around heat exchanger. All models listed, including belt driven blower and direct drive blower models.—Peerless Corp.

463 Oil Fired Furnaces

Line of up-flow, down-flow and horizontal flow furnaces is described in bulletin LFL-A. Specifications and dimensions included.—Williams Oil-O-Matic Heating Co.

464 Oil Fired Winter Air Conditioner

"Miami" deluxe lo-boy oil fired winter air conditioner uses high pressure atomizing burner that fires into a pre-cast, rugged, lightweight refractory combustion chamber with positive burning of No. 2 oil. Leaflet gives data, specifications.—Gross Furnace Mfg. Co.

465 Oil Furnaces

Brochure describes line of "York-Heat" furnaces: suspended, hi-boy, lo-boy and counterflow. Sizes range from 90,000 to 205,000 Btu per hr. Ten year guarantee on heat exchangers as well as usual manufacturer's guarantee on parts and workmanship.—York-Shipley, Inc., Residential Div.

466 Oil Low-Boy

This series contains six models with capacities of 84,000 to 168,000 Btu per hr. The heat exchanger obtains greater efficiency and economy of fuel by the scrubbing action of the air on the exchanger.—Burnham Corp.

• Your comments on this Trade Literature Supplement to American Artisan are invited.

467 Oil Winter Air Conditioning

Brochure HLO-59 describes the deluxe basement model winter air conditioner featuring light weight, efficient fiberfrax combustion chamber.—Heil-Quaker Corp.

468 Packaged Oil and Gas Boilers

Packaged oil and gas fired steel boilers have vertical tube construction with stainless steel baffles. Meet ASME and AGA requirements. Factory assembled with burner, circulator, tankless heater and controls ready for power and pipe connections. Easily cleaned from top, unnecessary to drain system and disconnect piping.—Thatcher Furnace Co.

469 Portable Utility Heater

Portable utility heater, 200,000 to 300,000 Btu, is described in literature. Instant heat for garages, warehouses, farm buildings, and large open spaces needing emergency heat.—Siebring Mfg. Co.

470 Propeller Fan Unit Heaters

Propeller fan unit heaters are covered in eight page catalog with performance data. Illustrates light weight, compact design, rapid heat exchange, economical operation, minimum maintenance. Available in 10 sizes, 25,000 to 250,000 Btu per hr.—Norman Products Co.

471 Residential and Commercial Furnaces

Catalog contains information on manufacturer's latest line of oil, gas and electric forced air furnaces for home and light commercial installations, sizes from 67,000 to 320,000 Btu. Also includes data on summer air conditioning units to match furnace line.—The Majestic Co., Inc.

472 Residential Gas Furnace

Specification sheet gives information and features of new gas "Conditionair." Data consists of AGA approved ratings, dimensions, blower options, hp, filter sizes, fan performance and cooling capacities of models from 70,000 to 125,000 Btu input.—Delco Appliance Div., General Motors Corp.

473 Residential Gas Furnace

Residential gas furnace with a one-piece cast iron heat exchanger is described in form T-8229. Heat exchanger backed by 25 year warranty. Cast iron slotted head jet burner is service and trouble free.—Silent Automatic Products.

474 Residential Furnaces

Brochure describes "Landmark" deluxe residential furnace line, explains modular concept whereby separate cabinets are provided for blower-filter, heating section (gas or oil) and cooling. System provides for selection of correct air delivery, heating capacity, and air conditioning tonnage.—Lennox Industries Inc.

Nearly 500 descriptions of catalogs, bulletins and other data available to you without obligation on request are described in these pages.

475 Residential Heating

Loose-leaf binder contains product literature, price lists, technical data, installation, piping and wiring diagrams on hydronic and warm air units for oil and gas firing, hydronic and electric baseboard, expansion tank, etc. Advertising and selling aids, warranties, sale terms, general information included.—General Automatic Products Corp.

476 Schoolroom Applications

Schoolroom heating, air conditioning and ventilating file describes specifications of units. Detail drawings provided.—Janitrol Heating & Air Conditioning, A Div. of Midland-Ross Corp.

477 Steam and Hot Water Boilers

Oil fired steam and hot water boilers are described in brochure covering "York-Heat" line from 100,000 to 200,000 Btu per hr output. Jackets available either to enclose or expose burner. Ten year guarantee on heat exchanger and manufacturer's guarantee on parts and workmanship.—York-Shipley, Inc., Residential Div.

478 Steel Gas Fired Furnaces

The 70 series steel gas fired units are available in highboy, downflow, horizontal and basement models; capacities from 80,000 to 220,000 Btu input. Smaller models shipped completely wired and assembled. Catalog pages, specifications available.—Niagara Furnace Div., The Forest City Foundries Co.

479 Steel Oil Fired Furnaces

Catalog pages and specifications available on the 70 series steel oil fired units which come in highboy, downflow, horizontal and basement models.—Niagara Furnace Div., The Forest City Foundries Co.

480 Suspended Heating Units

Gas and oil fired suspended units offer full range of adaptability and flexibility for most heating applications. Variety of models, 25 in all, offers outputs from 90,000 to 1,000,000 Btu. Factory assembled and wired. Burners adjusted and set; controls checked for immediate operation when fuel, electric and duct connections are made.—York-Shipley, Inc., Jackson & Church Div.

481 Trade Catalog

1961 trade catalog furnishes specifications and prices on improved lines of domestic and industrial gas and dual-fuel conversion burners, gas and oil burners and furnaces, gas unit heaters, outdoor gas lamps, and central air conditioning equipment.—Roberts-Gordon Appliance Corp.

482 Unit Heaters

Twenty page catalog 46-106 describes three types of unit heaters for steam and hot water heating systems. Complete rating, selection and dimensional data included, along with specifications for each type.—Carrier Air Conditioning Co., A Div. of Carrier Corp.

483 Vented Recessed Heaters

"Mor-Sun" vented recessed heater available in automatic gas fired and automatic oil fired models. Units are completely built in the wall. Especially suitable for compact homes. Budget pricing. Specifications given in brochures.—Morrison Steel Products, Inc.

484 Vented Wall Heaters

Wall heater folder HLFWG-60 shows line of vented wall heaters, including direct vent recessed, direct vent pin on and completely recessed wall heaters. Features described and "roughing in" dimensions given.—Heil-Quaker Corp.

485 Winter Air Conditioner

Deluxe horizontal oil fired model can be installed in homes without basements or as a suspended unit for garages and gas stations. Heat exchanger welded into one integral, tight-fitting unit. Large filters with large capacity rubber mounted blower unit, clean and filter the circulating air. Ten year guarantee.—Gross Furnace Mfg. Co.

486 Winter Air Conditioner

The SCO oil fired winter air conditioner is a dual purpose unit that can be installed as a horizontal unit, or by simply rotating the burner and blower, can be set up as a counterflow unit.

Contains a lightweight, unbreakable and sound absorbent "Cerafelt" refractory fiber combustion chamber.—Thatcher Furnace Co.

487 Winter Air Conditioners

Four sizes of new "Moncrief" series YY horizontal gas fired winter air conditioner shown in new catalog 208. Now equipped with slotted port cast iron burners. Left hand or right hand discharge. Specifications, dimensions and air deliveries.—The Henry Furnace Co.

488 Winter Air Conditioners

New 119/219 deluxe gas and oil fired winter air conditioners available in four sizes (110,000 to 175,000 Btu per hr input) can be adapted to year round climate control through optional features, including "Levelizer III" (variable input gas valve), electronic air cleaners, cooling, activated charcoal filter for odor removal.—Muel-ler Climatrol, Div of Worthington.

489 Winter Air Conditioners

"Blue Ribbon" lo-hi-boy winter air conditioners are made in oil and gas models. Supplementary return air compartments available. Oil unit equipped with "Cerafelt" refractory fiber combustion chamber that is lightweight, unbreakable and sound absorbent. Drawer type felt cushioned blower mountings. Gas units approved by AGA.—Thatcher Furnace Co.

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